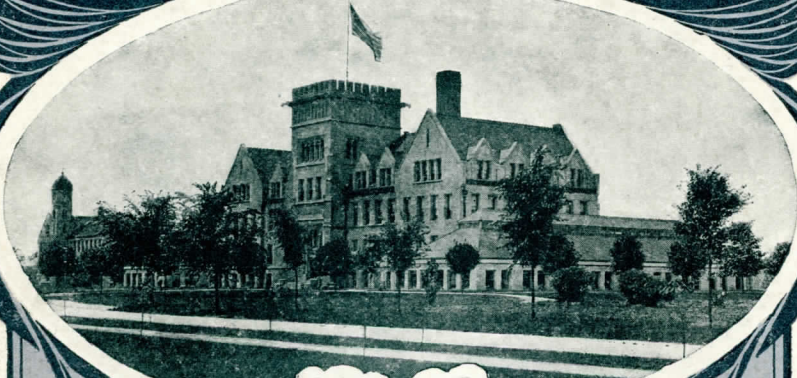
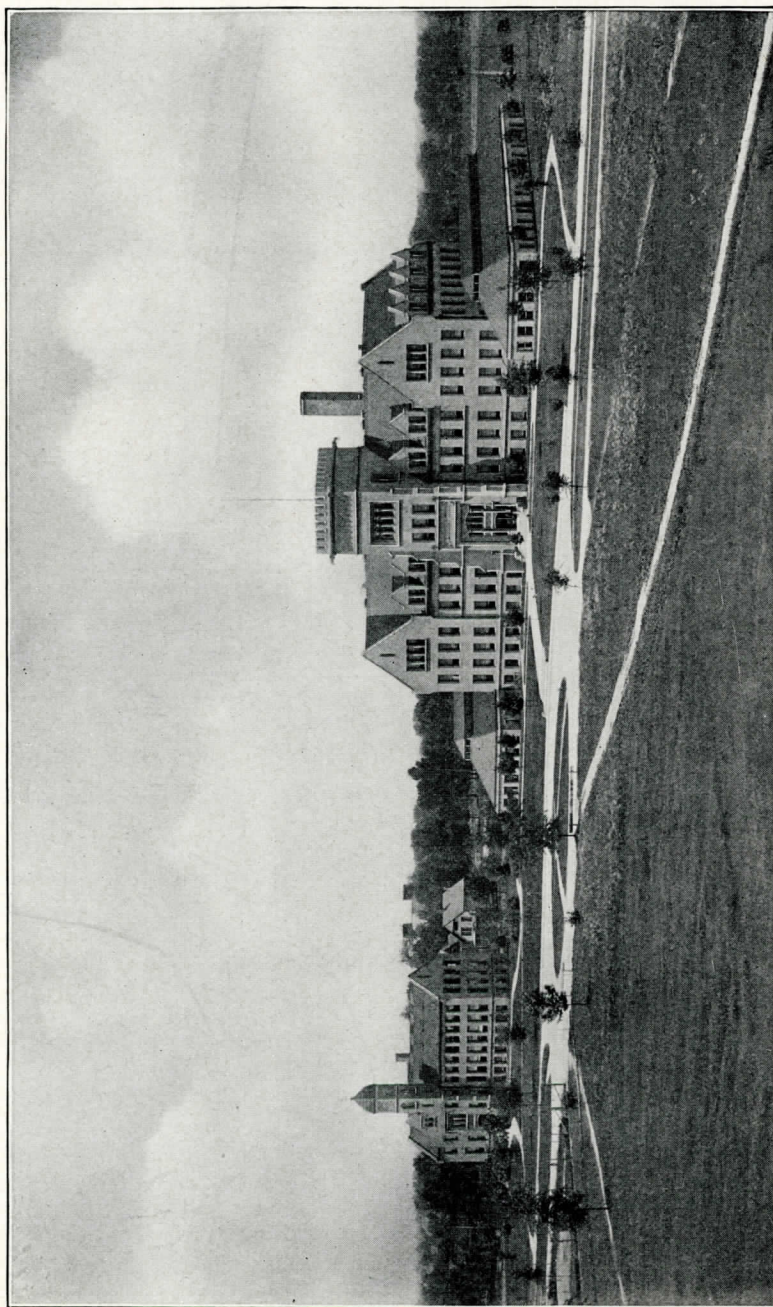


1907

BRADLEY POLYTECHNIC INSTITUTE HOROLOGICAL DEPARTMENT



PEORIA, ILLINOIS.



HOROLOGY HALL

BRADLEY HALL

BRADLEY POLYTECHNIC INSTITUTE

Horology Hall is Devoted Exclusively to the Work of the Horological Department

Bradley Polytechnic Institute

IN AFFILIATION WITH THE UNIVERSITY OF CHICAGO

TRUSTEES

| | | |
|-----------------------|-----------------------|---------------------------|
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| LESLIE D. PUTERBAUGH, | | PEORIA |
| | <i>Vice-President</i> | |
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| | | |
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| <i>Finance,</i> | | MESSRS. BAILEY, HAMMOND AND PFEIFFER |
| <i>Buildings and Grounds,</i> | | MESSRS. BAILEY, SMALL AND PUTERBAUGH |
| <i>Faculty, Curriculum and Equipment,</i> | | MESSRS. HARPER, SMALL AND HOLMES |

THEODORE C. BURGESS, *Director of the Institute*

Bradley Polytechnic Institute

Historical Sketch

MR. AND MRS. TOBIAS S. BRADLEY first conceived the idea of Bradley Polytechnic Institute as a memorial to their deceased children. They visited together a number of educational institutions and formed a general plan, but the sudden death of Mr. Bradley in 1867 delayed action for some time. Later Mrs. Bradley took the matter up, and formulated her wishes substantially as they are now expressed in the constitution of the Institute. It has been her ambition to afford the young people of Peoria and vicinity an opportunity to acquire a practical and serviceable education, and particularly to teach them to work, and to regard work as honorable.

It was her original intention to provide for a school to be inaugurated after her death, but in the fall of 1896, by the advice of many leading educators of Central Illinois, conspicuously Dr. William R. Harper of the University of Chicago, she determined to erect the buildings and start the school during her lifetime, if possible. An organization was effected under the University Act of the State of Illinois, and Mrs. Bradley entered into contract with the Trustees to provide a sufficient annual income to support the school during her life, and made provision in her will for a permanent endowment, consisting of the greater part of her estate. She also presented the Trustees with a deed for about seventeen acres of ground, situated within the city limits of Peoria, for the site of the Institute buildings; and set apart a large sum for building and equipment.

Work was begun April 10, 1897, upon two buildings, which were occupied in October and November respectively. The formal dedicatory exercises were held October 8th, in the Auditorium of Bradley Hall.

The Institute has two departments:

I. *The School of Arts and Sciences*, which offers a large variety of work in general education, beginning with the high school, and carried through the sophomore year of the college. This work is done in Bradley Hall.

II. *The Horological Department*, to which this catalogue is devoted, which occupies a separate building upon the same campus, and offers the most complete and thorough instruction to be found in America in all that pertains to watchmaking and kindred trades.

The Horological Department

THE Horological School of Bradley Polytechnic Institute is a continuation of the Parsons Horological Institute. This school was founded by J. R. Parsons at La Porte, Indiana, in the year 1886. It was brought to Peoria by Mrs. Lydia Bradley in 1892, receiving from her at that time, and continuously thereafter, substantial aid and encouragement. In 1897 it became a part of Bradley Polytechnic Institute, which was in that year founded and endowed by Mrs. Bradley. A new building, large and thoroughly adapted to the work, was erected; the only building that has been erected in America exclusively for the purpose of a Horological School. From that time the Horological Department has been an integral part of Bradley Polytechnic Institute, under the care of the Trustees and the Director.

Faculty of the Horological Department

| | | |
|---------------------------|-------|--|
| THEODORE C. BURGESS, | . . . | <i>Director of the Institute</i> |
| ALLEN T. WESTLAKE, | . . . | <i>Dean of the Horological Department and Instructor in Engraving and Optics</i> |
| CLARENCE R. HART, | . . . | <i>Instructor in Finishing, Repairing and Drawing</i> |
| JAMES A. MINER, | . . . | <i>Instructor in Elementary Watchwork</i> |
| FRED J. BAHNI, | . . . | <i>Instructor in Jewelry and Clock Repairing</i> |
| FRED BROWN, | . . . | <i>Assistant in Elementary Watchwork</i> |
| CHARLES H. BROBST, M. D., | . . . | <i>Lecturer in Optics</i> |

OTHER OFFICERS

| | | |
|---------------------|-----------|--|
| J. L. CADWALLADER, | | <i>Cashier</i> |
| MARY THOMPSON, | | <i>Material Room Clerk</i> |
| JOSEPHINE O. CLINE, | | <i>Stenographer</i> |
| S. D. LYMAN, | | <i>Superintendent of Buildings and Grounds</i> |
| J. E. BENSON, | | <i>Engineer</i> |

General Aim and Plan

A SCHOOL has become recognized by all unbiased and reliable judges as the best place to learn the watchmaker's trade. The professional watchmaker, or "jeweler," as he is called, well understands what a Horological School is, and usually realizes so fully the skill and knowledge required in his trade as to be convinced that training for it must be careful and thorough, and that this training is best obtained in a school. To others a word of explanation may be in place. The jewelry store usually combines the following lines of trade: Watchwork, Engraving, Jewelry, and Optics. Successful work in any of these trades requires great skill of hand, and also a large amount of technical knowledge. This is true especially of watchwork, and watchwork is in most cases the most important branch. Skill and knowledge are more necessary for success in these days than ever before. The important question is, "*How and where shall this skill and knowledge be gained?*" There are but two ways—the apprentice system and the school. Apprenticeship fails because the master workman is too busy, and, moreover, naturally lets the apprentice work day after day at the thing he has *learned*, whereas he ought to go on to a new piece of work. Then, too, the apprentice is given innumerable tasks which do not help him to an understanding of his trade. The employer has little time or interest to explain or assist, or to see that the apprentice gets a proper variety of work. Thus the apprentice works for several years, making himself useful to his employer, it is true, but making little real advance in a thorough and comprehensive understanding of his trade. He has no systematic knowledge. He knows only such parts of his business as have chanced to be placed in his hands by the man for whom he works. *The Bradley Horological School cures all of these evils.* The student at this school devotes his whole time to a rapid acquirement of the fundamental principles of the various branches of his trade. He has ample application in practice at the bench, and in a comparatively short time becomes master of his calling, and ready to command high wages. The teachers at Bradley have nothing to do but teach, and it is to their interest to assist the student to advance as rapidly as possible.

Horological schools have been long established in European countries. *In America the Bradley Horological School is the pioneer, and serves as a model.* Within the past few years several other schools have been started in imitation of it, but possessing neither building nor equipment, nor teaching force which could for a moment be compared. Those interested are urged to visit different schools and judge for themselves.

Of course the best school should contain departments in which the student can learn any one or all of the allied trades. Such a school must be of considerable size, since it must contain rooms for the various departments, and must have special teachers for the different branches. One man may practice several trades, but the teacher should be especially expert and learned in his own branch, and should be able therefore to give his undivided attention to that. Bradley Horological School, with separate rooms and special teachers, is fully prepared to teach all branches of the work, and is the best place to secure the fullest training in one or all of these branches.

Finally, a school must be practical. This school does not stop with telling or showing the student *how*; nor does it allow the teacher to do the work for the student; we do not give a student credit for knowing how to make any piece until he has actually done it unaided. To this end the students work eight hours a day at the bench, with a teacher constantly at hand to explain difficulties. "Theory" is not neglected, but is kept in its proper place.

Building and Equipment

HOROLOGY HALL, an attractive building of Bedford stone, consists of two stories and basement, one hundred feet long by forty feet wide, with a clock tower at the center. It contains five work rooms beside lecture room, main office, material room, drafting and experimental room, etc. It is heated by steam, and lighted by gas and electricity. Being planned and constructed for the special purpose of a Horological School, the rooms are large, light and well ventilated.

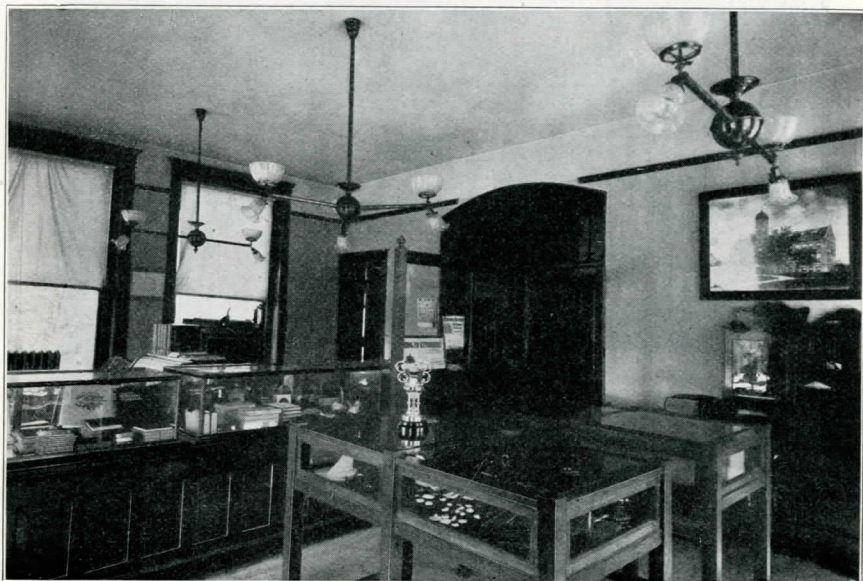
There are one hundred and three outside or window-lit benches, and over fifty inside benches—all this without any crowding, as there is still plenty of room for more benches should necessity require it.

The necessary power for the heavier work, such as large lathes, grindstones, emery wheels, blower for smelting and alloying room is supplied by a six-horse power Eagle electric motor and a four-horse power gas engine.

Each bench is supplied with gas and electric light. Each department is supplied with a large sink and running water for washing work.

The equipment of each department will be described under the statement of the department.

A large cut of the Horological Building accompanies this catalogue.



THE OFFICE



ELEMENTARY WATCHWORK ROOM

DEPARTMENTS

Elementary Watchwork

Equipment—One No. 3 American Watch Tool Co.'s bench lathe and attachments, viz: Two slide rests, face plate, two universal chucks, independent jaw chuck, grinder, thread-cutting attachment, and an assortment of split chucks.

One Mosely No. 3 bench lathe, with set of attachments.

One Damaskeening machine, and the necessary shafting, counter-shafting, with forward and back speed, etc.

Fifty-six individual benches, supplied with foot-wheels and lathes with attachments.

Section A—Filing is the foundation of all mechanical work. In this section students are taught to make some of the small tools, such as drills, countersinks, jewel gravers, jewel burnishers, screw taps; they learn the use of grinding materials, tempering, coloring and polishing. This is in order to give them the foundation of practical watch work.

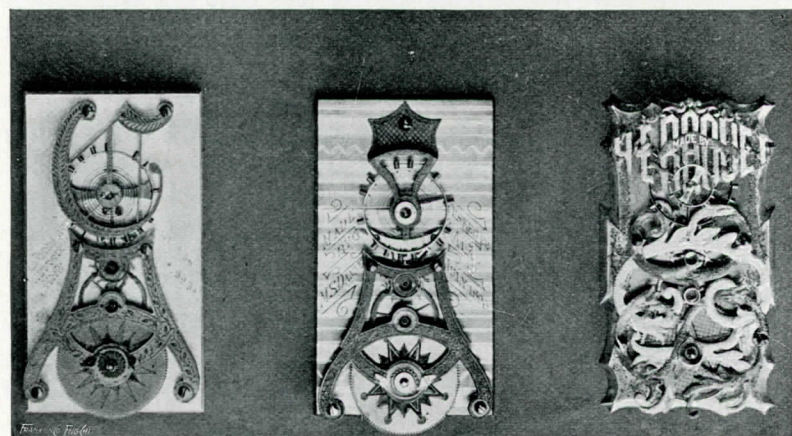
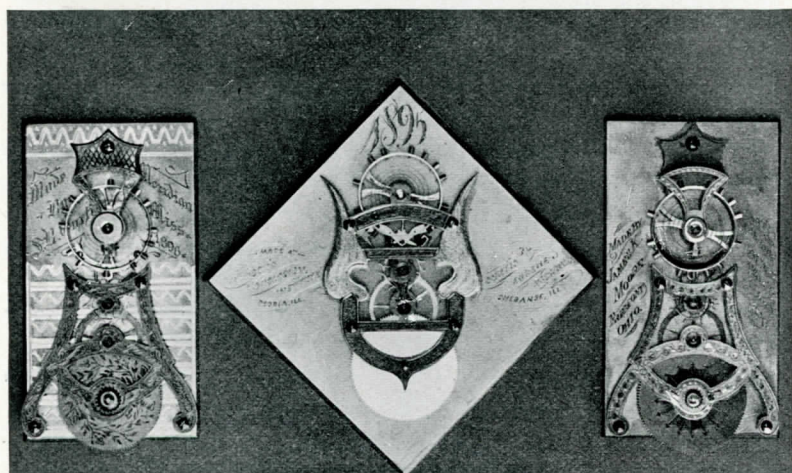
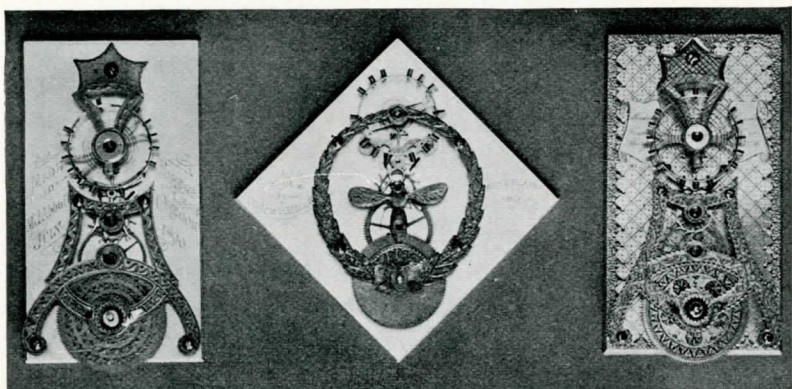
Section B—Lathe work is a very necessary part of watch work, and in this section the students take up turning on a watchmakers' lathe.

In acquiring the use of the lathe a few articles are turned up which will be found useful throughout the remainder of the work.

The following articles are made before entering upon regular watchwork: Center punch, round burnishers, hair spring collector, jewel pushers, tapers for lathe, cement brass, drilling rest, large and small screws (harden and blue), square shoulders on four millimeter wire, grind and polish, cone pivots, large balance staffs, centering wires, etc.

Section C—In this section lathe and escapement work of all kinds is taken up, such as turning staffs, setting jewels, figuring size and fitting lost pinions, choosing and fitting cylinders, staking on and turning wheels, making collets, drilling for pivots and pivoting, slide rest work, wheel cutting, damaskeening. Instruction is given in setting pallet stones, adjusting the banking pins, drop, let-off, locking, fork and roller action, fitting jewel pins to fork, etc.

The following list, which the student is required to execute in a satisfactory manner, will be found to be of practical use to all watchmakers, and the mechanical ideas gained in going through this list will also be of value in the more advanced work which follows in the finishing department:



ESCAPEMENTS

List

1. Making barrel head and uprighting.
2. Making case springs to fit watch.
3. Making square shoulder pivots, 1 millimeter to 6-10, (4 sizes).
4. Making cone pivots to gauge, 10 to 6, (4 sizes).
5. Turning staffs to measurements.
6. Turning staffs for 3-arm balance and truing balance.
7. Turning staffs for expansion balance, truing and poising.
8. Turning staffs to fit watches, poise and true.
9. Making hair-spring collets.
10. Collecting hair-springs and overcoiling.
11. Vibrating hair-spring, 16 to 18,000 vibrations.
12. Fitting hair-springs to watches and timing 18,000 vibrations.
13. Making stem-wind wheels, bevel wheel of brass and crown wheel of steel and polished.
14. Turning hollow center pinion to fit watch.
15. Making centersquare to fit same.
16. Finding size of cannon pinion and fitting.
17. Fitting dial wheel to same watch.
18. Fitting third wheel and pinion.
19. Fitting fourth wheel and pinion.
20. Fitting cylinders to watch.
21. Putting plug in cylinder.
22. Pivoting plain wires, square shoulder, 2 to 5-10 pivots.
23. Pivoting plain wires, cone pivots, 2 to 5-10.
24. Pivoting staffs for watch.
25. Setting jewels in plate, two set in plate, two with screws and two burnished, one hole and cap jewel in balance cock.
26. Making Swiss bridge and jewel.
27. Fitting main spring and hook in barrel.
28. Making three dozen pivot drills.
29. Putting three teeth in large wheel.
30. Setting pallet stones.

All the work finished in this department becomes the property of the student, after having been passed on for grade by the instructor in charge.

If the student desires, he is taught how to design, calculate and make the parts of a large escapement model. The work on this model is the best way to learn thoroughly the form and action of the escapement, and the model, when completed, is valuable as an advertisement in the watch-maker's business.

Drawing

Students in this department have an opportunity to make a drawing of each of the several escapements.



FINISHING AND ENGRAVING ROOM

Finishing Department

STUDENTS are admitted to the Finishing Department only after they have demonstrated their ability, either by completing the work of the Elementary Department, or by passing an examination.

The study of the lever, duplex, cylinder and chronometer escapements is accomplished by the aid of large drawings and models, afterwards by actual work on ordinary sized movements, thus giving *theoretical* and *practical* work.

Students are taught to make or replace any lost or broken parts in a workmanlike manner; to make cutters for cutting wheels, pinions, etc., when necessary.

Advanced students are taught to cut and fit escape-wheels for chronometer, duplex or lever movements.

Chronographs, repeating watches and all complicated work are given to students when they are competent to handle it.

Adjusting to temperature, position and isochronism is a feature of the department of which many old workmen of years of experience have repeatedly availed themselves.

Equipment

The equipment for the finishing department consists of twenty-four *individual benches*, each supplied with the latest genuine American lathes, countershafts, foot wheels, etc.

This department is supplied with the necessary *attachments* fitting all lathes, such as wheel cutters, milling attachments, pivot polishers, jewellery calipers, grinders, etc., so that each student can do all of the work at *his own* bench and not be obliged to move from place to place to accomplish his work.

A fine *transit instrument* has recently been added which will give the advanced students an accurate knowledge of the method of taking observations from the sun.

A *chronometer* is at the disposal of students of this department for rating watches and adjusting.

Compound microscope, for examining and photographing small pieces.
Constant temperature oven and ice-box for adjusting in heat and cold.

Drawing

In connection with the finishing department is the class in draughting, where the theoretical escapement work is taught; also the designing of new work, watch and chronometer movements, etc. Students completing this course have a valuable set of drawings for reference after leaving the Institute. The number in this class is limited to twenty, having six hours work each week. A complete set of instruments is provided for the individual use of each student. Many of the drawings are finished in water color, and make very attractive ornaments for the store.

The school reserves the right to retain, for six months, drawings and escapements of special merit, for the purpose of exhibition; after the six months these will be returned to the student.



SPECIMENS OF ENGRAVING

Engraving Department

THE work of designing is first taken up, including the several styles of alphabets most in vogue, Old English, script, block, etc. Next the student learns ciphers and monograms, scroll work, etc., after which the students are led step by step to the more difficult problems of transferring their designs to metal by the use of the graver.

Students who are naturally good in designing will get through this department in from six weeks to three months.

Equipment

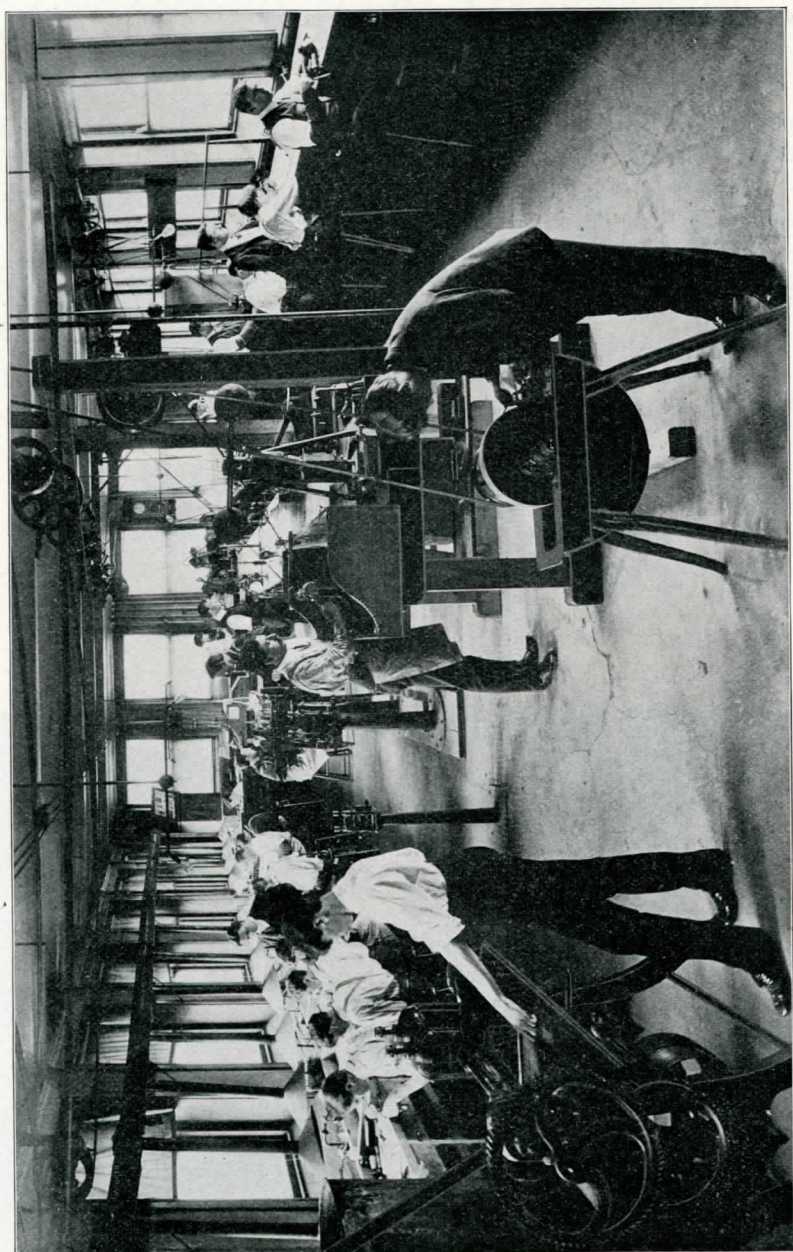
Engraving equipment consists of various books and charts of alphabets, monograms, ciphers, inscriptions, etc., besides numerous metal plates of engraved designs of all kinds and styles of engraving used by the trade.

Special Tuition Fee for Engraving Alone

To students who wish to take *engraving alone* a special rate of fifteen dollars per month is allowed.



DRAWING ROOM



JEWELRY ROOM

Jewelry Department

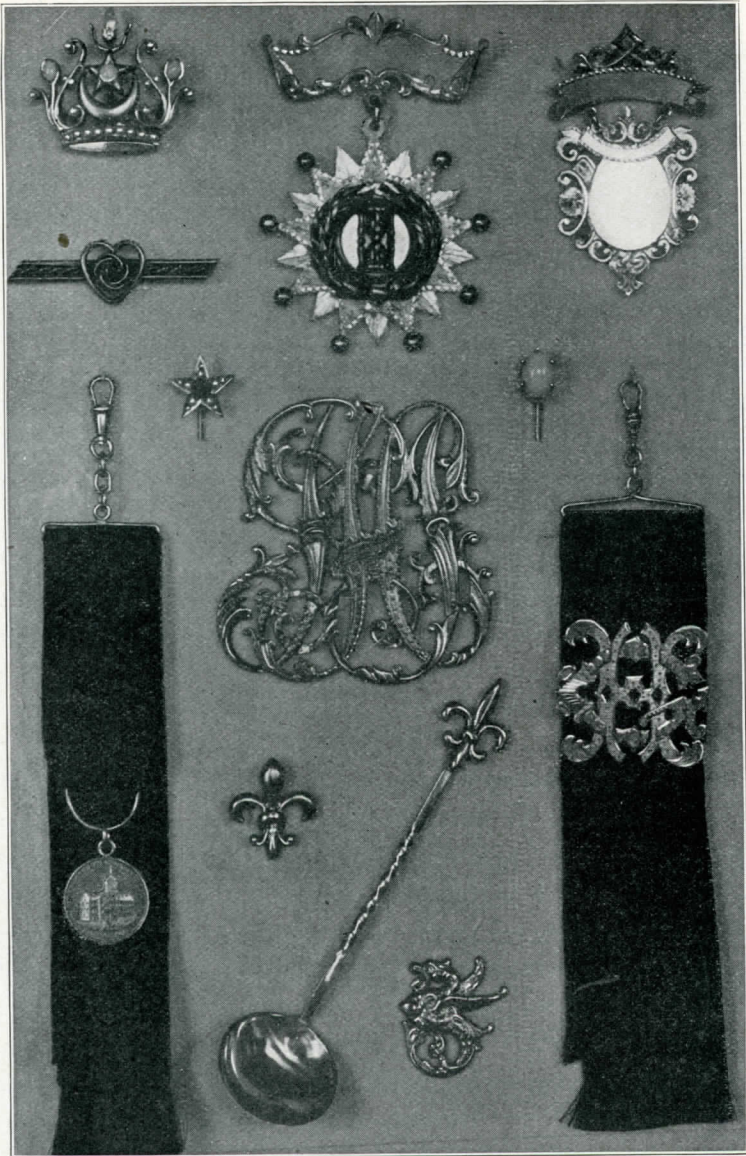
THE instruction in the Jewelry Department, or what might be called the gold and silversmith's branch of the trade, is calculated to give the student a practical knowledge of the art of working up precious metals and repairing jewelry of all kinds. The department is thoroughly equipped with all necessary tools and machinery; it is under the supervision of a practical jewelry repairer and manufacturer. Work taught in this department consists of alloying, casting, rolling and drawing of gold and silver for new jewelry; making of medals in gold and silver, class, college and society pins and charms, rings of all descriptions, artistic diamond mountings, the setting of precious stones, enameling, plating and Roman coloring, hard soldering, and all practical and up-to-date methods of repairing jewelry.

Equipment

Equipment of Jewelry Department consists of one large power flat roll, one hand roll with square, flat and ring rolls; three large hand rolls for flat, oval and square stock; draw bench, including draw plates for making wire; two ring benders; batteries and dynamo for plating; three polishing lathes; one shaper; one sensitive drill-press, one large screw-cutting lathe, six-foot bed with all attachments; one foot power lathe and drill press; one gas furnace with blower, one sand blast outfit, one enameling furnace. All above machinery run by power. One drop press, one screw press, one foot press with numerous dies and punches.

Each student is provided with an individual bench, with drawer for tools, material, etc., and zinc-lined apron for catching filings and clippings resulting from handling gold and silver.

Lectures on Jewelry repair work and manufacturing will be given Tuesday evening of each week, taking up ordinary repairing, stone-setting, jewelry designing, model making, gilding and enameling.



SPECIMENS OF JEWELRY

Clock Department

In this department the student is taught to repair all forms of clocks, including calendar and French clocks.

Department of Optics

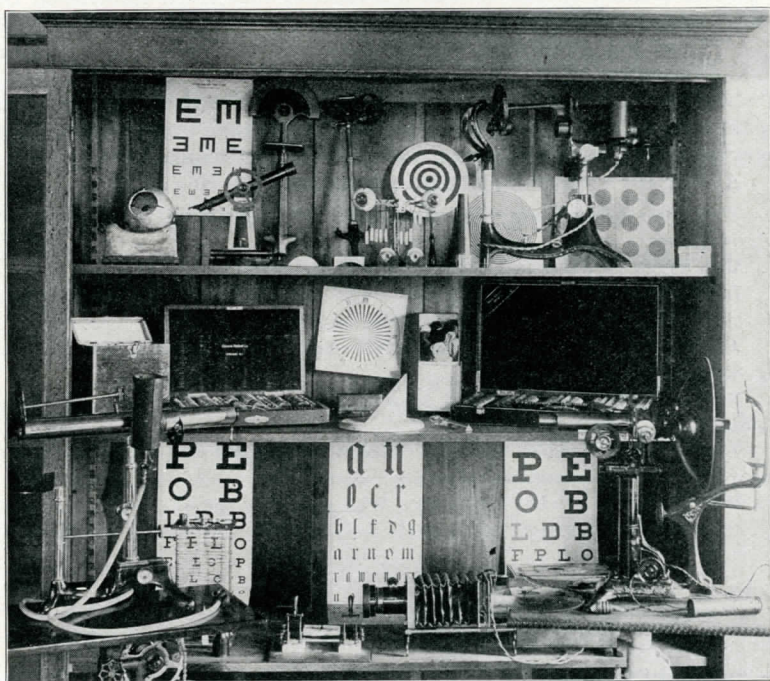
The Institute gives an excellent course in practice and theory of Optics. This course consists of a series of lectures on refraction, given by the Dean, supplemented by lectures and clinics by one of the most skillful and experienced practicing oculists in Peoria. The length of the course is *ten weeks*, with *three exercises* per week.

The course includes the study of reflection and refraction of light, lenses, prisms; physical structure of the eye; errors in refraction and the remedies; in brief, everything that an optician needs for actual business. The equipment includes all modern apparatus for the examination and testing of the eye.

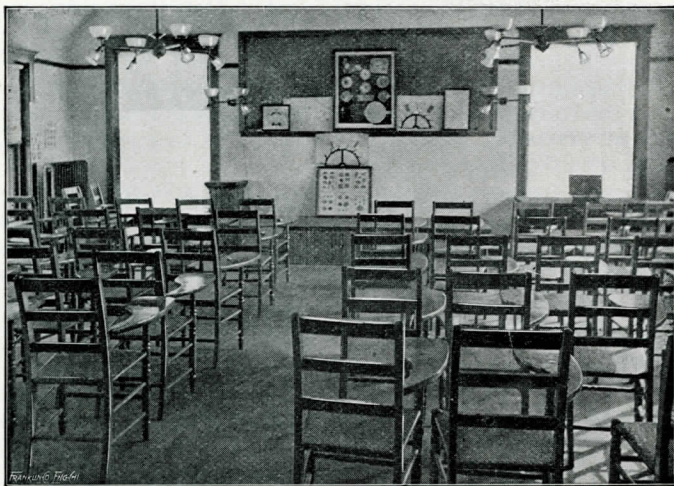
Equipment

The equipment of the department includes:

- | | |
|--|---|
| 2 Test Cases. | 1 Wilson's Phorometer. |
| 3 Retinoscopes. | 2 Geneva Retinoscopes. |
| 2 Ophthalmoscopes. | 1 Geneva Retinoscope and Ophthalmoscope combined. |
| 1 Ophthalmometer. | 2 Tests for color blindness. |
| 1 Self-luminating Ophthalmoscope with storage battery. | 1 Knapp's Ophthalmotrope. |
| 4 Thorington's Skiascopic Eyes. | 1 Anatomical Model of the eye. |
| 2 Prism Bars. | |



OPTICAL APPARATUS



LECTURE ROOM

Lectures on Theory and Practice

THE evening studies consist of a series of theoretical lectures on the various Escapements, Drafting Escapements, Movements, etc., Depthing, Springing, Timing, Adjusting to Position, Temperature and Isochronism.

Many of these lectures are profusely illustrated with the stereopticon, by the aid of photographs of the minute parts made with a microscope, showing plainly many things almost invisible to the naked eye.

Among the subjects may be mentioned the following:

TIME: Scientific methods of its measurements and history of instruments used in its determination.

U. S. NAVAL OBSERVATORY, and its method of sending standard time.

IRON AND STEEL: Illustrated by micrographs, showing the effect of over-heating or "burning," case-hardening, expansion in hardening, etc.

ADJUSTING TO TEMPERATURE: Showing the effect of heat and cold on the compensating balance and pendulum.

REFRACTION IN THE HUMAN EYE: Showing how errors of refraction are corrected by the use of glasses.

THE CAUSES OF WATCHES STOPPING: How to examine and find causes; best way to repair. How to buy and sell; how to wait on customers.

HOW TO TAKE IN AND LET OUT WORK: What to warrant and what not to warrant.

BUSINESS MANAGEMENT: Buying goods; keeping stock; treatment of customers.

Library

Standard works on Horology, Optics, Jewelry and Engraving are kept at the school for reference.

Expenses

Rates of Tuition

For Tuition in all departments except Optics, namely Watchwork, Engraving, Jewelry, Clock Repair, the following are the rates:

If paid by the month: \$20.00 per month for the first three months. \$10.00 per month thereafter.

If payment is made in advance for a considerable period, the following reduced rates are offered:

| | |
|----------------|----------|
| 9 months..... | \$110.00 |
| 12 months..... | 135.00 |
| 15 months..... | 160.00 |
| 18 months..... | 180.00 |
| 2 years..... | 200.00 |

In case a student leaves school before the end of the time for which he has paid, he is charged for the time which he has attended, and the balance is refunded. In refunding no allowance will be made for a fractional part of a month.

The fee for Optics, to students enrolled in other departments, is \$10.00; to those who take Optics only, \$25.00.

Tools

Benches, lathes and attachments, foot wheels, vises and other tools of general equipment *are supplied by the school.*

Students will be held responsible for all tools entrusted to them, and will be expected to return them in as good condition as they receive them, ordinary wear and tear taken into consideration. A cash deposit of \$5.00 is required as security for the return of the tools so issued; this deposit is refunded when tools are returned in good order.

Tools which the student must own are those generally used in the trade; they can be purchased at the school and cost about as follows: Watchwork and Jewelry, \$30.00; Engraving, \$5.00.

Material

The school furnishes free one piece of each kind of material used; other material needed is supplied at reasonable rates at the Material Room. With care and economy a student can get along with an expense of about \$5.00 for material for the course; some have completed their work with much less even than this amount.

Room and Board

Room and board can be obtained at from \$3.50 per week upward.

In considering expense, do not forget that if you are going to spend time and pay living expenses attending a school, it will pay you to attend the best school in the country.

Diplomas

Diplomas are given to students who satisfactorily complete the work and pass the final examination in the following departments: Watch-work, Engraving, Optics.

Positions

The Institute is constantly in receipt of inquiries from persons who need the services of watchmakers and jewelers. There has never been a time when a competent student has failed to get a good position. The demand for our graduates has always been greater than the supply. In fact good paying positions can be obtained so easily, and such attractive offers are made that it is difficult for students to resist the temptation long enough to complete their training. We always do everything we can to help any competent student, whether a graduate or not, to find a position. For the sake of protection to the prospective employer and the school as well, we will gladly answer all questions asked us in regard to the character, business ability and workmanship of any former student who has made application for a position.



MATERIAL ROOM

General Information

Requirements for Entering

There are no educational requirements for entering, and no age limit. Women students are admitted to all departments.

All students are required to furnish satisfactory references; preferably from teachers or previous employers.

School Session

The school is in session throughout the year, excepting legal holidays and Convocation and Founder's Day of Bradley Polytechnic Institute. Students can enter at any time.

Conduct

The school is conducted solely with a view to giving the student the best possible opportunity for advancement in every respect; the faculty makes regulations to accomplish this, and all students must conduct themselves accordingly.

The school reserves the right to dismiss any student whose conduct *in school or outside* is considered injurious, in any way whatsoever, to the general good of the school.

But any student who is in earnest and does not abuse his privileges will find all possible aid and encouragement. Hearty co-operation between students and teachers is the plan of the institution.

Reports

Monthly reports of the progress of students are made to parents or guardians when they so request. Such request should be sent to the Dean.

Assembly

At frequent intervals the faculty and students of the Horological Department join the School of Arts and Sciences in a general assembly in Bradley Hall auditorium. The programs consist of addresses by professional or business men upon practical topics, varied by an occasional musical program.

Letters From Former Students

The school receives many letters of appreciation and commendation from ex-students. We print a few extracts which we believe will be of interest to readers of this catalogue, as showing the practical results of the training given here.

More Positions Than We Can Fill.

Here's a sample: "You have supplied me with two nice workmen. Can you send me another? I have a nice place for him and will pay all that he is worth."

J. P. MAJORS, Colorado, Texas.

"Send me a man. Have had two from you and need another."

B. STROUSE, Havre, Montana.

I am quite anxious to get my men from your Institute. Mr. E. W. Bancroft and Mr. J. A. Stamm, graduates from your school are with me, and they are a source of much satisfaction to me; been with me three and two years respectively. I want no better.

CHAS. RIXTON, Passiac, N. J.

A Recent Graduate.

"Have not failed on one job during a month's work. My boss is tickled to death."

J. E. HODGE, Bainbridge, Ga.

"I feel a thousand times repaid for the time and money. In my first position my work gave as good satisfaction, and was done as quick as was done by his men who had worked at the bench for years."

F. A. RIFFS, Blackstone, Va.

"Previous to entering Bradley Polytechnic Institute as a student in the Horological department, I had no knowledge whatever of the jewelry trade. After completing an eleven months' course I took a position secured me by the school and held it successfully. I can conscientiously recommend the Institute to anyone desiring a thorough education in watchmaking, jewelry, etc., in the shortest possible time."

JOHN J. GAFFNER, St. Jacobs, Ill.

"We are doing an immense business. Thanks to the school which took so much interest in me to show me the why and the wherefore. The longer I am in business the more I realize the good that the school has done for me."

BOON J. GREENLUND, Warren, Pa.

"I sincerely believe that nothing could fit a person more thoroughly for this business than the required time at Bradley."

WM. C. MARQUART, Crestline, O.

"The few months I spent in school were a great benefit to me and I would recommend Bradley Horological Institute to anyone who expects to follow the jewelry business."

FRANK SHOOK, Traverse City, Mich.

"If I had not attended school there I am sure I would have made a failure now. I do either of the four trades I learned at Bradley."

BURT TAYLOR, Houston, Texas.

"Bradley Horological is the finest place on earth for an education within those branches taught. Your magnificent school was the making of a man out of me, and has made me master of my trade."

C. VICTOR MAZZONE, Watsenburg, Colo.

Eighteen Months After Leaving Bradley.

"I am awfully well pleased with the course I took at the Bradley Horological Institute. It has been the making of me. After six months I bought a half interest in the store. We carry a \$5000 stock and do a right good business."

CHARLES R. MCINTYRE, Jonesboro, Ark.

"I am getting along finely, making my \$25.00 per week, and one-third profit of the optical business. I am the only optician here (a town of 12,000) so have a good deal of work to do."

ROY I. MORSE, Helena, Ark.

I never regret that I attended your school. It is the only place to learn watchmaking.

A. W. LEE, Volga, Iowa.

"I am now receiving \$18.00 per week and am getting along fine. Have never worked on a watch since leaving the school but what I could fix."

LOUIS S. STERLING, Lebanon, Ind.

I can frankly say that the training I received while in the Horological School was far above my expectations, and worth many times the money and time spent.

T. B. PHILLIPS, Bellaire, Ohio.

I am glad to say that my attendance at your school was the best investment I ever made.

J. W. TYSON, Warsaw, Ky.

I am doing very well. I can't say too much for the Institute, as I haven't had any work I couldn't do since in business.

JAY LANNING, Wesley, Iowa.

I take pleasure in recommending the school, and feel a thousand times paid for the time and money it cost me.

A. S. DANNER, Jeweler, Tuskegee, Ala.

In 1895 I entered your school without any knowledge of the jewelry trade. I took a course of thirteen months, and left with an education I could not have obtained as an apprentice in a store in five years. I have never been out of a good position since I left the school.

CHARLES J. SCHOLLER, Circleville, Ohio.

Institute Organizations

Among the organizations of the Institute in which students of the Horological Department may be interested are:

The Engineering Club

The purpose of this club is to stimulate interest in the study of Engineering and Mechanic Arts.

The Arts and Crafts Club

This club aims to encourage artistic handicraft among its members. It holds an exhibition each year. In 1905 the exhibit included nineteen classes of work.

The Chorus

The work of the Chorus is to give training in singing and in the interpretation of the best music. Membership is open to students and friends of the Institute. The Chorus numbers about eighty voices.

The Orchestra

The Bradley Symphony Orchestra is under the direction of Mr. Harold Plowe. Membership is open not only to students, but to all who are interested in musical culture. The Orchestra has a membership of forty.

The Student Y. M. C. A.

This offers to the men of the Institute the privilege of associating themselves with young men of good moral and Christian principles. The Association holds regular Sunday afternoon meetings in Bradley Hall; also classes in Bible study work.

For other organizations and student activities see the catalogue of the School of Arts and Sciences.

List of Students and Graduates

BY STATES

Students whose names are followed by * are Graduates in Watchwork.
Students whose names are followed by † have Certificates in Watchwork.
Students whose names are followed by ‡ are Graduates in Optics.

Alabama

Albert Danner.....Tuskegee
Milton Danner.....Tuskegee
B. I. Douglas.....Troy
C. A. Nettle†*.....Camden
M. E. Pepperman*.....Montgomery
John T. Moye*.....Oxford
H. J. Rosenstihl†*.....Union Springs
H. Ruth*.....Montgomery
H. Shulhofer†.....Selma
S. P. Schuessler*.....Montgomery
M. C. Stokes†*.....Montgomery
M. M. Strickland*.....Clayton
J. H. Hall†.....Londesboro
W. S. Borland†.....Montgomery
J. T. Adams, Jr.....Talledega
P. Lewis.....Tuskegee
G. E. West.....Uniontown
W. F. Johnson.....Midway
H. L. Busbee.....Lineville

Arkansas

O. H. McKennon.....Clarksville
C. F. McLaughlin.....Gurdun
J. M. Cook*.....Champagnolle
Guy Ferree†.....Berryville
J. R. Ladcaster.....Dardanelle
E. B. Hall.....Rogers
F. McGaughey.....Rogers
W. P. Dixon.....Magnolia
Sam C. Hall†.....Bentonville
R. A. West.....Dardanelle
E. J. Bush.....Benton
R. L. Lackner†.....Paragold

California

Alva C. Bay.....Chico
Frank Dobrowsky.....Redding
Geo. L. Schneider.....Redding
L. H. Service*.....Ceres
Percival Urmy*.....San Francisco
C. O. Frommer.....Livermore
V. B. Paddock†.....San Diego
R. Freidberger.....Stockton
J. Henslee.....Highland
B. R. Klune.....Sacramento
E. C. Waters.....Sacramento
F. W. Zimmerman.....Glendora
A. C. Amstutz†.....Napa
H. H. Heath.....Sacramento
Ed Wold†.....Oakland
F. C. Trickey†.....Ontario
W. S. White†.....Vallejo
E. L. Bernard†.....Bakersfield
A. O. Walter.....Chico
C. G. Noack.....Sacramento
C. Zapp†.....Grass Valley
F. Wolfinger.....Stockton

Colorado

Lloyd E. Gardner.....Longmont
Victor Mazzone†.....Walsenburg
E. W. Krier†.....Walsenburg
E. P. Krier.....Walsenburg
A. P. Cooley†.....Agrular
Wm. Owen†.....Colorado City
Wm. Pontius.....Denver
Mrs. J. L. Pontius.....Denver

Connecticut

L. Martinez.....Ansonia
E. W. Bancroft†*.....Litchfield

District of Columbia

B. S. Dixon*.....Washington

Florida

G. Bachelder*.....Milton
H. L. Stricker.....Key West
F. L. Cochran†.....De Funak
J. E. Hodge†.....Sopchoppy
J. H. Bremer.....Tampa

Georgia

C. H. Kittrell.....Wightsville
H. S. Banta.....Newman
W. T. Conn, Jr.†.....Milledgeville
T. Huston.....West Point
R. C. King*.....Hawkinsville
H. H. McPherson.....Macon
Dixon Williams†.....Milledgeville
T. H. Wynn.....Cochran
M. Harris.....Macon
M. A. Grimsley.....Cochran
R. E. McAfee.....Americus

Idaho

W. D. Reynolds*.....Mountain Home
F. Brown*.....Gibbonsville
C. M. Sweet.....Mont Pelier

Illinois

Walter H. Akers.....Saybrook
Eddie Balke.....Peoria
B. M. Burche.....Streator
L. J. Carter.....Aledo
S. A. Chapin.....Galesburg
W. Harsh.....Peoria
Joseph Kuss.....La Salle
Joseph Mantz.....Peoria
A. J. Miner.....Bushnell
Frank B. Means.....Saybrook
Will H. Marvin.....Monmouth
Edward Mehmert.....Olney
J. Walter McCoy.....Golconda
Lewis Oldknow.....Macomb
Curtus E. Rockwell.....Shebanse
H. E. Raquet.....Aurora

Illinois—Continued

D. S. Sheppard, Jr. Washington
H. H. Smith Pontiac
Ira Worth Bradley
L. D. Wester Chicago
J. D. Abbott† Prairie City
Henry Aicher* Peoria
Albert Anderson* Peoria
E. M. Andrus* Bloomington
A. H. Basse Quincy
M. H. Bassett Arcola
M. Benham Enfield
George Bixler† Berlin
G. D. Breuning* Chicago
Ed. A. Buder Cairo
C. L. Burnett* Galva
W. F. Burkhardt Averyville
D. A. Simons Chicago
Cor. State and Washington
Alfred Conigisky Peoria
Ernest Cashman Peoria
F. J. Causey* Metamora
Frank Craig Havana
A. S. Creech* Sullivan
C. S. Cunningham* Flora
Joseph Daniels Joliet
E. W. Dick Gilman
Sherman Eckley Peoria
L. E. Gage*† Joliet
Chas. Gardner* Vermont
Gertrude Gates Hamilton
Miss Thena Gifford Morris
V. H. Giles Chicago
A. H. Goetz, Jr. Princeton
W. F. Goldspohn Chicago
E. Gonsalves Jacksonville
E. E. German* Danville
John Haddock Diona
Geo. A. Harover* Monica
G. Hart Yellow Creek
J. B. Harvey Janesville
John Hoagland†* Sheldon
John Hoeker Carlinville
Oscar Holzgraf Havana
J. E. Izatt Bloomington
C. T. Jacoby* Arlington
A. T. Jimson Chicago
W. M. Johnson Centralia
H. I. Jones*† Knoxville
Robert Joost† Peoria
E. G. Kay* Poysan
Jesse Keefauder Fairview
C. E. Kelly* Mattoon
E. A. Kelly Chicago
Walter Killey† Aledo
H. F. Korsmeyer* Meredosia
S. G. Kurtz Shelbyville
E. L. Leonard* Elizabeth
E. W. Lindeburg Galesburg
Chas. E. Linnig* Peru
C. Loker* Peoria
J. S. Lowman Chicago
Miss Jenny Lowry* Flora
Thos. E. Lyons Arcola

W. M. Magee* Peoria
W. H. Mankey* Apple River
W. W. Mayer Mt. Pulaski
E. A. Maxwell Albion
Frank Maxwell* Robinson
Charles McCabe Chicago
Dan McCarty† Charleston
G. McClure Rushville
M. W. McHenry Decatur
Perry Morris† Quincy
C. C. Morrow Blandinsville
W. T. Morse* Bushnell
W. E. Mount* Jerseyville
O. G. Olwin† Robinson
C. J. Parker Robinson
T. C. Parker* Robinson
Miss Lizzie Pipes Peoria
Jacob Ramsert Rock Island
J. M. Raum Golconda
R. T. Roberts†* Roberts
W. H. Roberts* Roberts
Brent Rohm Clinton
J. S. Royer* Rossville
L. Rustamier Canton
F. Sanders Ottawa
C. B. Salisbury Elizabeth
I. E. Shaw* Ottawa
J. H. Schell Polo
S. P. Schusler* Chicago
Ed. Speaker Beardstown
Mrs. E. E. Stanley Atlanta
E. E. Stanley Atlanta
C. L. Steller Lexington
A. W. Stevens Washburn
W. H. Stinson* Chicago
A. L. Stivers* Eureka
E. Stocker* Macomb
E. Taylor* Elmwood
P. C. Tyrner* Maroa
Chas. E. Walters Lincoln
F. L. Ward Arcola
C. Weber Bremen
Gustav Weimer Carrollton
F. A. Wilhelm Ottawa
R. Williams Pinckneyville
B. S. Wilson Pekin
H. A. Winn* Newman
F. Woodmansee* Prairie City
J. L. Wolff Evansville
M. G. Wolff* Evansville
Otto H. Wolz* Mascoutah
W. K. Worthen* Warsaw
Dan Wyatt* Chicago
E. G. Youngman McClean
A. R. Zimmerman* Rockford
K. P. Crandall West Hollis
E. Wick Highland
M. M. Burdick† West Hollis
M. Robmowitz Peoria
Thos. Thrower Shelbyville
W. P. Knauer Moline
J. B. Schrock Pontiac
A. Fortner Beecher City
Wm. Hamilton Galesburg

Illinois—Continued

E. W. Brass†.....New Boston
W. H. Reighardt*.....Sheldon
L. B. Ibbotson.....Alvion
R. Silverstone.....Peoria
D. C. Hathaway.....Sheldon
A. J. Zimmerman†.....Peoria
R. Stanford.....Chatsworth
M. Apple.....Robinson
J. E. Korty.....Bluffs
J. Schroeder.....Fulton
L. W. Johnson†.....Macomb
L. E. Dewey†.....Ashland
P. Gilmore.....Newton
A. Meyers.....Morris
Wm. Tures.....Hennepin
M. Janney.....Marshall
C. S. Boicourt†.....Golconda
F. P. Lovell.....Pittsfield
P. Schilt.....Olney
J. T. Tate.....Knoxville
F. Stinson.....Aurora
H. E. Roberts.....Roberts
W. E. Sprague.....Virden
L. C. Jack.....Streator
L. A. Birkenbuch.....Pekin
W. A. Atwell.....Metropolis
W. T. Cohenour†.....Pittsfield
H. R. Dixon.....Elmwood
F. Eltzroth.....La Fayette
A. Heinel.....Jacksonville
L. Frobish.....Macomb
F. Ruggles.....Peoria
F. Seilschot.....Kelbourne
E. K. Kanef.....Pickneyville
C. S. Skeggs.....Oakford
W. J. Decker.....Tiskilwa
H. W. Le Rette.....Morris
Fred Peetz.....Aurora
Geo. Noterman.....Hillsboro
H. E. Coquette.....La Harpe
Miss M. B. Watson.....Rezetta
H. B. Kitterman.....Tiskilwa
W. C. Berry.....Monmouth
J. W. Scott.....Colchester
H. L. Horne.....Chicago
R. W. Ellis.....Peoria
Jas. Shepperd.....Pekin
J. L. Freund.....Springfield
A. H. Grange.....Tiskilwa
P. Lucius.....Mascoutah
C. G. Becker.....Peoria
H. Doll.....Aledo
I. S. Cohenour†.....Pittsfield
H. A. Kock.....Peoria
C. Austin.....Bloomington
J. A. Starts.....Peoria
F. A. Berta.....Braidwood
A. M. Osgood.....Lostand
W. F. Doll.....Chillicothe
N. R. Lindeburg.....Galesburg
B. McCosh.....Mt. Morris
C. H. Himes.....Peoria

A. R. Mills.....Streator
Geo. L. Thacker†.....Waukegan
Mrs. M. D. Sutton†.....Waukegan
L. W. Shawyer.....Elmwood
Chas. Dilzer†.....Peoria
C. O. Lindenmeyer.....Buckley
C. O. De Moore.....La Harpe
M. Haney.....Normal
F. Justus.....Mascoutah
J. W. Strain.....Minonk
J. L. Brooks.....Harness
C. A. Smith.....Joliet
O. H. Pitney.....Peoria
R. Cherry.....Streator
L. F. Faulkins.....San Jose
G. R. McClyment.....Wyoming
A. W. De More†.....La Harpe
Herman Heinz†.....Staunton
C. F. Swan†.....Abington
T. S. Kors†.....Peoria
C. A. Reid.....Mt. Sterling
W. Lee Carter†.....Peoria
J. J. Knapp†.....Fisher
F. F. Baren.....Dwight
F. W. Cleve.....Buckley
R. W. Noling†.....Wayanet
H. E. Richardson†.....Elmwood
R. S. Kellersman.....Tiskelwa
J. H. Boal.....Mansfield
W. H. Dow†.....Pittsfield
F. J. Nehlein.....Rock Island
J. C. Burford†.....Farmers City
R. M. Barnhardt†.....Streator
A. B. Smith.....Streator
Bruno Hubener.....Peoria
V. H. Decker.....Chicago
A. M. Winchell.....Chatsworth
E. Malstrain.....Canton
E. E. Gray†.....New Salem
E. C. Lemburg.....Rock Island
H. G. Lemburg.....Rock Island
L. W. Shawoer.....Elmwood
A. B. McCasker.....Springfield
W. C. Reinnetter†.....Dwight
Chas. Buehrig†.....Miner
G. E. Tufford.....Morris
Bert Howell.....Newton
Luther L. Johnson.....Macomb
F. McAllister.....Morris
Ernest Allen.....Abington
G. V. Pope†.....Decatur
Wm. Schultze.....Virginia
J. W. Roberts.....Piper City
H. G. Greenhood.....Peoria
J. M. Thompson*†.....Arlington
C. Rassi.....Peoria
A. G. Coplan†.....Colchester
J. A. Baird.....Colchester
J. F. Prenger.....Peoria
A. P. Miller†.....Dixon
W. J. Baer†.....Streator
C. R. McIntyre†.....Mendon
C. E. Cussins.....Franklin
E. Fisher.....Dixon

Illinois—Continued

L. Robertson Augusta
 Chas. Schmidt Peoria
 Walter Wolfe† Mt. Morris
 Henry Ulrich Rockford
 E. Gorsline† Peoria
 H. R. Greeley† Waterman
 Chas. German Henry
 Lee Wiltz Metamora
 W. C. Volkman† Kankakee
 S. M. Cartright Dixon
 J. J. Gaffner St. Jacobs
 H. Hopkinson Hedgewich
 W. Olmstead† Milledgeville
 G. F. Whitley Eldorado
 Chas. Cole Marshall
 J. H. Griffith† Galesburg
 Max Lewis Pontiac
 R. M. Walker Peoria
 C. D. Smith Cuba
 E. K. Thornton† Toulon
 C. E. Thistle† Pontiac
 F. J. Kellogg Woodhull
 J. C. Langwill† Rockford
 Miss Bessie Bacon Peoria
 D. J. Carlson Chicago
 H. S. Record Cambridge
 A. W. Goldsburly Chicago
 A. T. Westlake, Jr. Springfield
 C. O. McCarty Peoria
 G. H. Day Fairbury
 Roy Arnold Morrisonville
 Frank W. Teeter† Peoria
 Miss Bessie B. Gordon† Hamilton
 H. V. Kellar† Henry
 E. G. Harbers Peoria
 D. E. Graham† Elmwood
 J. J. Gaffner† St. Jacobs
 W. F. Futyen† Flanagan
 O. B. Royston Elgin
 E. G. Allen† Abingdon
 Frank Kurtz Shelbyville
 H. A. Murphy† Abingdon
 L. S. Sterling Maroa
 G. F. Clinch Elmwood
 G. E. Cyester Mulford
 E. J. White Toulon
 J. S. Rhoads Ottawa
 C. Shaffer Peoria
 W. La Fountain† Wellington
 A. J. Glaser West Brooklyn
 S. Searchliff† Glasford
 W. J. Fuller Glasford
 P. J. Paleuquist† Greenview
 J. Halthaus† Aoiston
 Otto Brefeld† Aoiston
 R. C. Ealy Chicago
 J. B. Lollis† Litchfield
 E. A. Miller Peoria
 G. R. Farley Toulon
 J. E. McKay Freeport
 H. Cohenonn† New Salem
 N. Knorad Henry

C. E. Bowman† Chandlersville
 F. Citron Peoria
 Q. R. Johnson Litchfield
 O. Corman Bloomington
 Geo. Bowen McLeansboro
 P. L. Pendleton Princeton
 F. Hoover Bushnell
 J. B. Buffo Green Valley
 G. C. Loynd Mendon
 E. A. Harbers Peoria
 A. P. Wolff Evansville
 P. V. Kors Peoria
 F. Bliss Princeville
 C. Conboy† Time

Indiana

John Chappell Oakland City
 F. D. Callett Newport
 Will Gohn Middlebury
 Marshall Kime Union
 H. S. Banta La Porte
 E. T. Barnes Spencer
 Miss Carrie Barnt La Porte
 L. Beckman* Kendallville
 T. B. Bell Hartford City
 J. W. Brill* La Porte
 W. D. Bogue† Fairmount
 G. T. Bowersox* Michigan City
 M. A. Cadwallader* La Porte
 Miss Hattie Crane La Porte
 W. S. Charlton* Lebanon
 C. A. Chenwoeth Richmond
 Royal Cole Michigan City
 E. F. Conner†† Roann
 J. J. Defrees†† Wakarusa
 D. E. Dever Leo
 F. H. Drake* Greensburg
 Dell Drawns Valparaiso
 F. E. Dumas* Valparaiso
 O. G. Dunagan Gosport
 A. J. Eisenhauer* Huntington
 H. Fisher* Columbus
 J. V. Foster Spencer
 A. A. Garner* Lebanon
 J. C. Gohn†* Middlebury
 A. Grove Bluffton
 A. H. Harrington† Michigan City
 H. C. Henry* Auburn
 R. B. Herzer* Seymour
 Earl Hollis La Grange
 E. Jaeger* La Porte
 E. Johnson Gosport
 W. H. Johnson Atherton
 B. H. Kellogg* Lafayette
 M. B. Knouse* Mooresville
 Gus Levy* Evansville
 A. J. Limpus Shelbyville
 A. J. Long* Coal Bluff
 E. A. Martin Goshen
 U. E. Mast* Middleburg
 J. A. Marsters Lebanon
 F. S. Matthias Denver
 G. E. McKee† Michigan City
 W. H. Mellor* Michigan City

Indiana—Continued

| | |
|---------------------|----------------|
| S. C. Mitchell | Peru |
| H. Moran | Washington |
| E. A. Morian | South West |
| G. E. Mosiman | Bluffton |
| J. M. Poe | Rushville |
| E. Porter | Loogootee |
| Otto C. Rickert* | La Porte |
| W. Rossier* | Martinsville |
| Manson Saylor | Rossville |
| Richard Shick | Muncie |
| C. Schoerpf* | Leo |
| H. B. Showalter* | Middlebury |
| M. Slauter* | Indianapolis |
| A. O. Smith* | Frankfort |
| G. Speigle* | Tracy |
| John Sutherlin* | Lebanon |
| H. L. Trask†† | Crawfordsville |
| H. Trent* | Flora |
| F. A. Tomlinson* | Painfield |
| J. Volz* | Connersville |
| Dot Washburn* | Columbia City |
| F. T. Webb | Warsaw |
| H. J. Welsh* | Goodland |
| J. L. Whistler* | Marion |
| W. H. Whitmore* | North Judson |
| Eugene Wilson†* | Crawfordsville |
| A. Wisler* | Nappanee |
| G. W. Wood* | Valparaiso |
| Chas. Gautschi | Tell City |
| F. C. Winkler | Pataka |
| C. Bernloehr | Indianapolis |
| W. D. Meyer† | Elwood |
| V. Yoeder†† | Shipshewana |
| H. North | Bluffton |
| W. F. Whitcomb | Leavenworth |
| W. Talbot | Independence |
| H. Least | New Albany |
| A. Kessler | New Albany |
| C. W. Ottman | New Albany |
| Elmo Neely | Shipshewana |
| L. Bever | Hillsboro |
| C. F. McAley | La Porte |
| Jas. Scribner, Jr.† | Attica |
| A. B. Swift | Macy |
| C. V. Stephens | Wabash |
| J. C. Garner | Russiaville |
| G. W. Stephens | Williamsport |
| A. E. Laughlin | Farlen |
| W. E. Sanders | Columbia City |
| J. N. Thompson | Anderson |
| F. Sawyer | Lowell |
| E. R. Warner | Lowell |
| J. L. Duncan† | Wingate |
| C. McKee† | Kentland |
| H. C. Cox† | Owensville |
| J. W. Krenger | Madison |
| F. W. Eisele | Indianapolis |
| W. H. Hackleman† | Connersville |
| Edw. Stewart† | Oakland City |
| Warren Stewart | Oakland City |
| C. Roland* | Connelton |
| O. Artees† | Evansville |

| | |
|---------------------|--------------|
| C. J. Stick† | Mishawake |
| A. E. Smiley† | Thornton |
| G. C. DeCamp† | Eden |
| W. H. Fish† | Crown Point |
| W. M. Smith† | Lebanon |
| Frank Eatinger | No. Judson |
| C. R. West† | Oakland City |
| Glen R. Smith | Peru |
| B. R. Herrall† | Letts |
| F. McConnell† | Oakland City |
| A. G. Kleinlein | Evansville |
| N. P. Hoffman | Oakland City |
| M. Kirkman | Pendleton |
| L. R. Olmsted† | Versailles |
| J. H. B. Ness | Indianapolis |
| A. C. Warren† | Noblesville |
| W. E. Summers | Columbus |
| C. L. Rost† | Columbus |
| E. E. Wendling† | La Fayette |
| W. G. Brockenbrough | La Fayette |
| W. J. Hoffman | Hayesville |
| S. W. Matthias | Denver |
| A. F. Ballard | Franklin |
| C. F. Hallfarth† | Olean |
| J. P. Mingle | Yorktown |
| J. H. Newcomer | Nappinee |
| F. Moltz | Butler |

Iowa

| | |
|-----------------------|---------------|
| E. O. Arnold | Spirit Lake |
| Clegg Bond | Keokuk |
| H. M. Cary | Walnut |
| Jas. J. Dalglish | Grundy Center |
| E. Edwards | Des Moines |
| L. E. Goodell | Corndon |
| H. H. Holmes | Iowa Falls |
| J. C. Lanning | La Porte City |
| C. O. Pennington | Milton |
| F. W. Rhines | Lamont |
| O. L. Voelkers | Davenport |
| J. C. Van Syke | Aroca |
| Frank Ware | Walnut |
| W. E. Albert* | Lansing |
| A. E. Alcorn* | Allerton |
| E. O. Alexander* | Allerton |
| C. H. Allen* | Clinton |
| B. F. Anderson | Parkersburg |
| F. Anson | Keosauqua |
| John F. Buechele* | Oelwein |
| Homer H. Bowers | Clinton |
| Clyde C. Bowers | Clinton |
| C. E. Callahan† | Cheriton |
| A. C. Campbell* | Easterville |
| A. H. Coe | Clinton |
| C. D. Cook | Muscatine |
| F. B. Crane* | Mt. Pleasant |
| J. I. Crosby* | Cedar Falls |
| C. E. Cunningham* | Brush Creek |
| William R. Davidson*† | Keosauqua |
| F. A. DeClark* | Shenandoah |
| W. Dodson* | Manchester |
| John Eggers*† | Avoca |
| E. B. Fanske*† | Bell Plaine |

Iowa—Continued

W. Irwin Ferguson.....Washington
H. E. Folker*.....Farmington
G. W. Fordyce.....Anita
M. D. Franks*.....Lamont
E. E. Freeman*.....Oakland
G. R. Filmer.....Danville
John D. Fore.....Danville
G. H. Gardner.....Indianola
J. Greve.....Clinton
W. J. Hanks*.....Postville
W. A. Harding.....Red Oak
A. W. Henderson.....Traer
R. Jensen*.....Council Bluffs
A. Johnson*.....Woodward
Karl K. Keith*.....Vinton
Guy Kneer.....Allerton
H. J. Goobs*.....Paullina
Otto Knaul*.....Clinton
V. E. LaPorte*.....Oakland
J. M. Lind.....Rolfe
Augustus Lee.....Osterdock
L. A. Mauch*.....Waukon
Louis A. McKenzie.....Cory
Harvey A. Meeks.....Bedford
H. C. Moffit.....Clinton
W. C. Nelson*.....Sigourney
W. W. Ogden*.....Maquoketa
E. F. Renaud*.....Keokuk
W. M. Rhoads.....Newton
H. Richardson*.....Mount Ayr
R. Stephens*.....Waukon
L. B. Smith.....Parkersburg
W. S. Simmons.....Anita
A. W. Sprenger.....Burlington
John West*.....Valisca
Eliza Wysong.....Bedford
F. H. Young*.....Maquoketa
Frank Coolidge.....Bonaparte
M. C. Meinhardt*.....Maquoketa
O. Wilson.....Morningsun
G. Jones.....Sigourney
C. Ferrist.....West Liberty
T. V. Talender.....Farmington
F. Baldwin.....Boonville
D. H. Wilder.....Burlington
N. Felters.....Ashton
W. H. Cowley.....Keokuk
W. Fosold.....Kiswick
C. Mott.....Troy
B. S. Ruddick.....Waverly
W. T. Hurst.....Oskaloosa
H. Rhowedder.....Davenport
E. F. Meyers.....Iowa City
D. Boydston.....Knoxville
O. E. Tuttle.....Marshalltown
W. M. Pyle.....Melbourne
A. C. Fisher.....Spillville
Miss K. McKee.....Tipton
A. H. Callison.....Anita
O. J. Haas.....Dubuque
H. Vogt.....Primrose
F. J. Oehring.....Elkador

Wm. Moore.....Milton
W. L. Potter.....Haverlock
F. S. Lee.....Shelby
G. L. Olmstead.....New Hartford
H. A. Keppe.....Walnut
H. A. Carey.....Walnut
C. W. Schultz.....Oskaloosa
G. F. Meyers.....Iowa City
C. E. Penington.....Newton
A. Urbans.....Minden
J. C. Guy.....Templeton
Bruce Fortney.....Indianola
A. J. Braunberger.....Creston
Thos. Cronin.....Keokuk
Geo. B. Deyen.....Deyersville
Chas. Peck.....Ottumway
Paul Hoehberger.....Des Moines
L. Votroubek.....Salon
L. L. Hinkley.....Eldon
Yates Knerr.....Allerton
D. H. Bersford.....Ft. Dodge
E. Halstead.....Northwood
G. C. Holmes.....Humeston
R. H. Schultz.....Charles City
H. Newlon.....Corning
W. Hersbergen.....Mitchellville
J. E. Baker.....Red Oak
M. E. Wilkinson.....Ida Grove
J. A. Karterman.....Ida Grove
S. L. Price.....Ocheyedon
P. W. Ady.....Grunda Center
C. L. Sleeter.....Storm Lake
J. L. Taylor.....Humeston
A. L. Dean.....Tipton
J. W. Schultz.....Cumberland
M. M. Neilson.....Harland
H. H. Ballard.....Burlington
Robt. Paulson.....Le Grand
Theo. Hall.....Gilman
F. P. Van Sickle.....Washington
E. M. Brown.....Des Moines
I. N. Nash.....Washington
A. O. Murch.....Belle Plaine
E. H. Carey.....Kamrar
J. J. Smith.....Belle Plaine
C. R. Boggs.....Ft. Dodge
J. M. Tieman.....Parnell
F. B. Downard.....Marengo
G. E. Lofgren.....Mediapolis
J. A. Vierson.....Pella
W. L. Wilkinson.....Ida Grove
L. T. Dillon.....Manley
H. W. Slingluff.....Burlington
C. W. Morris.....Oskaloosa
J. F. O'Connell.....Atlantic
L. J. Wendell.....Creston
J. Dreessen.....Ida Grove
R. A. Jolly.....Iowa City
F. G. Mooney.....Green Island
W. E. Erdice.....Keota
H. J. Robinson.....Fayette
R. Paulson.....Le Grand
R. I. Morse.....Manchester

Indian Territory

J. E. Peterson† Colgate

Kansas

A. L. Laporte Minneapolis
 Arthur Tonny Ft. Scott
 Alonzo Thomas Topeka
 Henry Wickmiller Kansas City
 Harry J. Black*† Eedia
 F. A. Brown* Pittsburg
 Geo. Bosworth Coffeyville
 M. E. Caveny* Newton
 K. C. Cosles† Lawrence
 W. H. Crocker Cedar Vale
 A. O. Dickason*† Hiawatha
 Ira C. Gugan†* Ashland
 R. G. Emmonds* Washington
 Roland Evans Horton
 H. E. Fox* Emporia
 Chas. E. Gaskill Hiawatha
 L. S. Grimm* Jewel City
 S. F. Harden Winfield
 C. D. Hill† Hiawatha
 Carl Hunnius† Leavenworth
 Allen Lee Centralia
 Col. Lanyon* Pittsburg
 H. L. Morrison* Hepler
 H. Melliush* Ottawa
 A. E. Melliush Ottawa
 R. H. Miller Kingman
 E. G. Osborn* Emporia
 T. O. Reed† Clay Centre
 A. T. Roberts* Winfield
 F. H. Robertson* Pratt
 Will C. Summers* Eureka
 J. M. Trester Wellington
 F. M. Truby* Coffeyville
 G. E. Utterback* Independence
 A. M. Ward Washington
 Emma B. Williams† Lyons
 F. C. Wahlenmaier Kansas City
 A. C. Shamel Alma
 E. Sutter† Russell
 E. E. Braun Independence
 Ray Taylor Oswego
 J. V. Davis† Coffeyville
 R. R. Saukey† Sterling
 D. P. Smisor† Sterling
 E. R. Smisor Sterling
 J. H. Stairs Sterling
 W. C. Stairs Sterling
 C. T. Gash Sterling
 J. T. Brown Sterling
 N. G. Figler Long Island
 E. W. Dick Gilman
 J. Fontron† Hutchinson
 R. Montgomery Topeka
 J. W. Lewis Hoisington
 C. Lang Coffeyville
 H. A. Manifold Beloit
 Miss V. E. Hunt† Burlingame
 G. W. Lewis Melvern
 Thos. Walker Sterling

B. H. Rhoades Conway Springs
 E. Hunnius Leavenworth
 Miss Mable Manifold Beloit
 B. Strickler Salina
 D. S. Wones† Concordia
 H. E. Peters† Salina
 Floyd W. Jordon† Minneapolis
 W. E. Pearce† Wichita
 J. A. Ricker Emporia
 R. W. Graham† Sterling
 J. P. Birchfield† Centralia
 A. P. Lytle† Abaline
 G. V. Emery† Seneca
 J. O. Shrack† Pratt
 A. M. Wilder Waterville
 Miss E. L. Swarens† Nickerson
 Edward Fraser Leavenworth
 W. A. McDonald† Galena
 Fred. Riff Grand Valley
 C. L. Dockhorn Oskaloosa
 P. F. Limback Wichita
 W. B. Sellers† Minneapolis
 W. G. Reed† Keowa
 W. S. Schumacher† Hiawatha
 R. Goodholm† Lindsborg
 F. E. Shook Independence
 M. C. Fox† Russell
 J. M. Briggs Pratt
 F. Devlin† Pratt
 R. S. Kinsey Minneapolis
 E. M. Abbott† Wichita
 R. King† Oskaloosa

Kentucky

W. T. Smith Paducah
 E. C. Applegate* McKenzie
 W. J. Foster Mayfield
 Frank Fullilove* Owenton
 W. R. Hazelwood* Bardwell
 R. W. Hazelwood* Bardwell
 L. A. Hest Cloverport
 Reuben R. Herron* Dixon
 G. F. Hill* Ghent
 V. M. Lester Kendall
 H. L. Meyer* Louisville
 L. Oberdrofer Henderson
 T. B. Randolph Cadiz
 Theodore Schlesinger† Henderson
 Owen Sherwood Sturgis
 E. B. Thomas* Eminence
 W. H. Warren Montgomery
 A. Levy† Henderson
 F. T. Forman Lexington
 C. E. Biggs Franklin
 W. A. Frizell Vanceburg
 J. A. Simpson Doulton
 J. M. Tyson Ghent
 Lynn C. Carr Glasgow
 R. F. Maier Bowling Green
 D. W. Crum† Bardstown
 W. M. Irion Louisville
 James G. Lytle† Johnsville
 John W. Meyer Johnsville
 J. T. Parker Umay

Kentucky—Continued

| | |
|---------------------|------------------|
| J. E. Baldwin | Shelbyville |
| K. R. Foster | Cynthiana |
| A. K. Martin | Winchester |
| C. C. Canden† | Glasgow Junction |
| G. I. Forth† | Somerset |

Louisiana

| | |
|--------------------------|-------------|
| James Constantine† | Minden |
| F. Dietline* | Opelousas |
| Ed. Eckart* | Morgan City |
| G. L. Havard* | Big Cane |
| Remi Mornhinveg* | Opelousas |
| C. Johnson | Baton Rouge |
| J. A. LaBlanc | Abbeville |
| N. O. Bourque | Abbeville |
| W. T. Culpepper | Athens |
| Mrs. E. L. Brewer | Hammond |

Maine

| | |
|-------------------------|---------------|
| A. E. Garnsey* | Sanford |
| A. L. Hamilton*† | Island Falls |
| S. P. Hussey* | Sherman Mills |
| Murat G. Daniels† | Rockland |

Maryland

| | |
|------------------------|-------------|
| Ernest Cushen† | Hagerstown |
| C. D. Morrow | Owing Mill |
| Walter P. Little | Cumberland |
| J. Bullock† | Lanacorning |

Massachusetts

| | |
|-----------------------|-------------|
| Lewis G. Clark | Waltham |
| D. K. Bartlett† | Clinton |
| M. H. Kelly*† | North Adams |
| A. Y. Mendell | Brandon |
| F. M. Wakeman | Nantucket |
| Walter Tetro | Northampton |
| W. F. Lyons | Springfield |
| E. P. Gravel | Fall River |

Michigan

| | |
|--------------------------|---------------|
| Wm. Ahrens | Saginaw |
| Geo. S. Bancroft* | Detroit |
| E. O. Barber | Ionia |
| A. Benedict* | Ionia |
| Bert Born* | Allegan |
| R. H. Brabb | Romeo |
| C. W. Gottman | Kalamazoo |
| A. J. Hessen | Tecumseh |
| Geo. Hewit, Jr. | Hartford |
| C. M. Higby* | Charlotte |
| A. W. Hills* | Reed City |
| F. Hohiselt | E. Saginaw |
| G. E. Hollis | Benton Harbor |
| Miss Ida Hutchings | Alma |
| K. E. Johnson | St. Helens |
| F. G. Marsh* | Cambria |
| C. B. Martin* | Brooklyn |
| N. G. Phillips | Bancroft |
| A. T. Scattergood | Ithica |

| | |
|-----------------------------|-------------------|
| T. W. Schmidt | Vassar |
| Lenora Schlukbier | Saginaw |
| O. L. Searle*† | Petoskey |
| H. Siebel* | Saginaw |
| William E. Sifleet | Kingston |
| L. Schaefer | Mecosta |
| Wm. H. Shepner | Flint |
| H. Stevenson* | Holland |
| J. Reece* | Grand Blanc |
| H. C. Watts* | Ann Arbor |
| F. P. Winslow | Saginaw |
| A. Winter | Mason |
| Leonard Devries | Holland |
| John G. Gardner | Maple Rapids |
| H. D. Hutchinson | Ioma |
| A. C. Holland | Lapeer |
| Bernard Mueller | Rockland |
| August Waanenana | Calumet |
| E. Van Winkle | Caro |
| W. H. Skeman | Brighton |
| Fred. Koenig | Marine City |
| W. E. Barstow*† | Ithica |
| D. T. Davies† | Kalamazoo |
| E. Prange | Grand Rapids |
| C. Challis | South Lyon |
| L. Y. Deveries | Holland |
| E. W. Lunn | South Lyon |
| C. B. Cook | Reading |
| J. Z. Clawson | Owosso |
| Miss A. Schlichting | Lake Linden |
| F. B. Gaunett | Traverse City |
| G. W. Lilley | Grand Haven |
| B. H. Barnes | Lawton |
| N. Michels | South Lake Linden |
| F. L. Menefee† | Three Rivers |
| N. C. Tall† | South Haven |
| G. C. Hill | Allen |
| E. J. Collick† | Ironwood |
| L. R. W. Hill | Hillsdale |
| J. W. Ramsdell† | Mainstee |
| T. A. McIntyre† | Charlotte |
| A. B. Shaw† | Allen |
| M. D. Ellis | St. Johns |
| J. S. Martinek | Traverse City |
| J. G. Davenport† | Battle Creek |
| G. W. Ayer | Manistee |
| A. J. Bennett | Bay City |
| M. Wasson† | Bay City |
| J. E. Walton† | Niles |
| L. C. Shoemaker | Three Rivers |
| Geo. Adamson | Tecumseh |
| F. J. Phillips† | Pakagon |
| E. A. Berger† | Saginaw |
| G. D. Bement† | Cedar Springs |
| L. M. Dekker† | Zeeland |
| J. H. Doyle | Cedar Springs |
| L. G. Reynolds | Bendon |
| G. B. Liable | Josco |
| Geo. Hurst | Dansville |
| A. Arnold | Cedar Springs |
| Albert DeVries | Holland |
| Mrs. W. E. Shoemaker† | Three Rivers |

Missouri

| | |
|------------------|----------------|
| E. E. Allen | Eldon |
| G. W. Ellis | Butler |
| Robert Keaney | De Soto |
| Chas. A. Morris | Gallitan |
| Oscar Mills | West Plains |
| Wade Short | Canton |
| O. G. Cady* | Linneus |
| F. L. Calkins | Fountain Grove |
| C. E. Carman | Jamesport |
| J. W. Chilton* | Booneville |
| W. C. Chilton | Booneville |
| E. Dearing* | Mexico |
| A. W. Dodd | Lebanon |
| Bert C. Eddy | Springfield |
| E. R. Edgar | Booneville |
| Roy Fox | Macon |
| E. J. Gawronske* | Doniphan |
| H. H. Gott* | Booneville |
| J. A. Howard* | Booneville |
| W. A. Hurst* | Charleston |
| W. M. Jaccard* | St. Louis |
| W. C. Jackson | Louisiana |
| August Johnson | St. Louis |
| W. Jordon* | Nevada City |
| J. Keaney, Jr.† | De Soto |
| C. Long* | Gallatin |
| Herbert McDougal | Princeton |
| T. McKinney | Aurora Springs |
| W. A. McReynolds | Bolivar |
| John R. Miller | Warrensburg |
| O. Miller* | Wellsville |
| Oscar Mills | West Plains |
| O. S. Morton | Hume |
| Mrs. Dr. Mott | Dexter |
| L. P. Nicklin* | Frankford |
| W. B. Patterson* | Fountain Grove |
| Robt. Keaney | De Soto |
| L. B. Platt | Wyaconda |
| F. H. Roberts*† | Napoleon |
| W. D. Reynolds | Pattonsburg |
| C. D. Sandison | Huntsville |
| J. W. Schmandt | Kansas City |
| John Stamm*† | Washington |
| Ed. Stutz | Kahoka |
| G. E. Tanner | Chillicothe |
| C. E. Tieman† | Fayette |
| G. M. Thompson | Fordland |
| Walter Trigg | Booneville |
| O. S. Vaughan | Glasgow |
| L. D. Wardin† | Nevada |
| C. C. Watson* | Poplar Bluff |
| F. G. White* | Aurora |
| G. G. White | Kahoka |
| F. E. Willman† | Booneville |
| F. Wynne* | Princeton |
| Chas. Whaley | Kahoka |
| B. Zimmerman* | Warrensburg |
| E. E. Seaman | Odessa |
| J. C. Inoin | Jameson |
| W. R. Marshall | Golden City |
| G. G. Smith | Fayette |
| O. C. Atterbury | Harrisonville |

| | |
|--------------------|----------------|
| J. Sterritt | Lincoln |
| Wm. Pickens | Princeton |
| Otto Folk | Bowling Green |
| R. E. Meehan† | Morborne |
| S. W. Rauch | Edna |
| J. Owsley† | Newark |
| E. B. Smith | West Plains |
| B. Fosburg | St. Joseph |
| D. A. Martin | Kahoka |
| Theo. Ebeling | St. Louis |
| Frank A. Thompson† | Kahoka |
| H. H. Dilley† | Carthage |
| O. J. Folk† | Bowling Green |
| M. G. Parker† | Butler |
| G. A. Lawson† | Butler |
| L. Keith | Cherry Box |
| E. V. Koch | La Grange |
| R. M. Garrett† | Winnebago City |
| G. A. Hudson† | Columbus |
| Ira Stutzman† | Garden City |
| C. H. Greery† | Fayette |
| S. O. Bowels | Greenfield |
| H. N. Capps | Kansas City |
| P. Duke | Marceline |
| F. O. Adams | Bolivar |
| F. O'Hubbel | Maryville |
| C. E. Bell | Greenfield |
| D. Sutton | Macon |
| R. D. Mitchell† | Carrolton |
| E. W. Nickell† | Montrose |
| A. O. Sandison | Huntsville |
| H. R. Garrison | Warrensburg |
| R. W. Emery† | Springfield |
| C. E. Woodfill | Nevada |
| W. L. Woodruff | Springfield |

Minnesota

| | |
|-----------------|---------------|
| C. A. Damuth | Litchfield |
| O. H. Sheldon | Alexandria |
| Henry Blickle | Rochester |
| H. E. Bunch* | Rochester |
| A. Cone† | Madelia |
| Milo E. Kubat† | Owatonna |
| F. B. Logan | Minneapolis |
| C. W. Logan | Minneapolis |
| J. C. Marx* | Shakopee |
| A. Meyer | New Ulm |
| John Meyer* | New Ulm |
| L. Segale | Minneapolis |
| G. Staacke* | St. Peter |
| C. J. Troppman† | Perham |
| W. C. Weyer | Fairbault |
| W. F. Weyer | Fairbault |
| W. T. Wegner | Shakopa |
| H. Kalling† | Fergus Falls |
| J. H. Goven† | Winona |
| O. C. Buhn | Crookston |
| John Rosendahl | Delhi |
| F. W. Crane | Spring Valley |
| F. A. Bartlett | Willmar |
| W. W. Arms | Owatonna |
| M. Rideout | Money Creek |
| F. A. Moore | Balaton |
| W. H. Hawkinson | Edin Valley |

Minnesota—Continued

| | |
|----------------------------|--------------|
| Miss M. Sweet..... | St. Paul |
| G. H. W. Anderson..... | St. Paul |
| G. H. Speilman..... | Shakopee |
| H. A. Beckendorf..... | St. Paul |
| T. W. Clark†..... | St. Cloud |
| C. M. King†..... | Grand Rapids |
| F. E. Rollins†..... | Rochester |
| H. C. Varley..... | Grand Rapids |
| S. M. Seifert..... | Perham |
| H. G. Hanson..... | Winona |
| Miss Ethel Greethurst..... | Winona |
| Eloise Neore†..... | Blue Earth |
| Ove Hoegh..... | Spring Grove |
| Theo. Hendrickson..... | Spring Grove |
| Jas. Williams..... | Jasper |
| C. E. Sorenson..... | Clarkfield |
| M. Linden..... | Herman |
| F. H. Hassan..... | Dundas |
| A. S. Morgan..... | Winona |
| Theo. Hendricks..... | Spring Grove |
| Geo. H. Holmes..... | St. Paul |
| H. A. Hansen†..... | St. Paul |
| C. Monroe, Jr.†..... | Hutchinson |
| S. A. Graftland..... | Lake Park |
| Paul J. Hayes..... | Austin |

Mississippi

| | |
|-----------------------|-----------------|
| S. R. Curtus..... | Reynolds |
| F. C. Spengler..... | Jackson |
| E. D. Barefield†..... | Meridian |
| J. D. Marshall*..... | Carrollton |
| O. J. Meyer*..... | Meridan |
| Wm. Meyer..... | Meridan |
| M. Pepperman*..... | Greenville |
| Tilden Price..... | Hazelhurst |
| W. T. Scott†..... | Scooba |
| T. A. Stinson*..... | Hazelhurst |
| Charles Shamber*..... | Meridan |
| O. J. Stein*..... | Greenwood |
| W. C. Reese..... | Columbus |
| D. V. Pound..... | Nettleton |
| D. E. Davis†..... | |
| D. N. Robinson..... | Hattersburg |
| C. C. Spence..... | Crystal Springs |
| E. S. Van Seuter..... | Jackson |

Montana

| | |
|----------------------|-------------|
| N. Lalonde..... | Helena |
| F. A. Van Riter..... | Crow Agency |
| C. M. Jones..... | Bozeman |
| P. C. Shander..... | Missoula |

New York

| | |
|------------------------|---------------|
| J. H. Baker..... | New York City |
| W. S. Banks..... | White Plains |
| Chas. Feather..... | Jamestown |
| Chas. F. Rhines..... | Watertown |
| Dwight W. Stickle..... | Batavia |
| H. L. Allen..... | Ft. Plain |

| | |
|------------------------------|-------------------|
| F. E. Brown*..... | Philadelphia |
| E. W. Carlson..... | Jamestown |
| R. G. Crandall*..... | Ceres |
| H. M. Colgrove*†..... | Arkport |
| Geo. H. Churchill..... | Little Falls |
| Albert K. Dessum..... | Oswego |
| G. A. DeWandelaer..... | St. Johnsville |
| P. M. Farnham..... | Philadelphia |
| C. D. Fellows*..... | Unadilla |
| R. A. Genung..... | Ithaca |
| G. H. Harris..... | Byron |
| J. H. B. Haynes..... | Lyons |
| E. H. Heinrich..... | Watertown |
| Grant Hood†*..... | Batavia |
| D. W. Ingalls*..... | Little Falls |
| G. F. Bergan*..... | Earlville |
| H. Briggs*..... | Oneonta |
| F. J. Kneeland*..... | Unadilla |
| A. J. Krumholz..... | Buffalo |
| Willard Levee†..... | Little Falls |
| E. C. Macomber..... | Watertown |
| M. J. Mann..... | Cloverville |
| M. J. O'Hara..... | Skaneateles Falls |
| J. R. Oliver*..... | Johnstown |
| Irving W. Oppel*..... | Little Falls |
| Charles E. Palmiter*..... | Watertown |
| J. M. Peck..... | Newfield |
| Miss Florence Phillips*..... | Olean |
| E. J. Pratel..... | New York |
| W. S. Quencer..... | Watertown |
| W. E. Quinlin..... | Syracuse |
| L. W. Reynolds*..... | Oneonta |
| Lot Reznor†..... | Arkport |
| A. G. Sanford†..... | Bouckville |
| Chas. B. Sanford††..... | Bouckville |
| J. A. Schrott..... | Herkimer |
| G. A. Snell*..... | Little Falls |
| Burt J. Sutton..... | Penn Yan |
| C. B. Turner*..... | Guilford |
| W. G. Van Horn..... | Utica |
| R. G. Wells†..... | Friendship |
| R. W. Wheeler*..... | Kanona |
| George Wilkinson..... | Medina |
| F. Witherstine..... | Herkimer |
| O. H. Wright*..... | Ithaca |
| B. C. York*..... | Jamestown |
| Edw. C. Lake..... | New York City |
| Joseph Kemmy..... | New York |
| J. H. Meinsink*..... | Panama |
| L. H. Barth..... | Geneva |
| S. Rosenfield..... | Rochester |
| J. F. Doig..... | Elmira |
| A. A. Cochran..... | Ithaca |
| G. A. Taylorson..... | Olean |
| J. H. Mellunch..... | Ogdensburg |
| W. M. Kinney†..... | Westfield |
| H. L. Fox†..... | Dunkirk |
| Fred Saunders..... | Auburn |
| Walter H. Smith†*..... | Norwich |
| Amos Ohmann†..... | Lyons |
| J. G. Harris, Jr..... | Westfield |
| L. E. O. Skidmore†..... | Westfield |
| C. E. Christman†..... | Lyons |
| J. D. Clark..... | Batavia |

New York—Continued

H. J. Tippet†.....Constableville
W. H. Story†.....Brooklyn

New Jersey

E. C. Leake.....Madison

Nebraska

Avery D. Smith.....Cedar Rapids
C. M. Andrus*.....Lincoln
C. H. Angell†.....Juniata
Glen Carruth.....McCook
D. E. Gillespie†.....Fort Robinson
R. Jensen.....Herman
Fred H. Mohle.....Omaha
G. Newhouse*.....Red Cloud
Fred W. Olney†.....Beatrice
W. O'Neill.....McCook
H. E. Peckham.....Lincoln
N. E. Webb.....Hebron
J. H. Stuckey.....Kearney
Wm. Stuckey.....Kearney
E. H. Newhouse.....Red Cloud
C. L. Arn.....Beaver City
C. H. Hagley.....Norfolk
V. M. Bishop†.....Red Cloud
J. A. Reuling.....Wyman
C. A. Craybill.....Aurora
Ira Scott.....Clay Center
J. N. Hale†.....Fairbury
John M. Logan.....McCook
C. E. Mullhouse†.....Summer
C. H. Yanson.....Kearney
Emmet Rocker.....Wahoo
T. B. Sweazey.....Alma
L. H. Surber.....Davenport
R. E. Safranek†.....Wahoo
R. A. Williams.....Omaha
H. G. Towle†.....York
E. C. Scammon†.....Auborn
F. M. Bartling†.....Grand Island
C. W. Kaven.....Howells
R. S. Meyer.....Grand Island
R. A. Saunders.....Holdredge
R. C. Colton†.....Table Rock
W. B. Bartling†.....Grand Island
H. A. Dildine†.....Kearney
Miss C. C. Tully.....Ord
J. Jones.....Grand Island
R. W. Lawson.....Melmo

North Carolina

W. C. Carroll*.....Concord
J. C. Coulter.....Newton
J. P. Coulter.....Newton
L. D. Giddens, Jr.*.....Goldsboro
J. H. Gorman*.....Concord
J. W. Hardister.....Newton
J. R. Hicks.....Asheville
C. H. Nicholson*.....Fayetteville

G. K. Smith†.....Goldsboro
J. Stewart*.....Graham
C. G. Theiling.....Charlotte
E. B. Churchwell.....Wilson

Ohio

Carrol Bradshaw.....Wooster
Guy S. Caldwell.....Cortland
Chas. L. Dye.....Marietta
F. G. Eaton.....West Unity
C. W. Ewing.....Chili
Everett Henderson.....St. Clairville
Carl Manner.....Wapakoneta
Jas. K. Moore.....Fremont
E. A. McIntire.....Newcomertown
Earl T. Steinman.....Forest
Ralph Trowbridge.....Mt. Gilead
Jas. Adkins.....Cambridge
F. Aid*.....New Lexington
G. Aid.....New Lexington
Frank D. Asman.....Wapakoneta
J. C. Baily*.....Pioneer
H. A. Barber*.....East Toledo
S. D. Bayles*.....South Norwalk
C. J. Beckman†.....Ottawa
W. Carl Beckley.....Orrville
John Billingham†.....McArthur
Wm. Blair.....St. Clausville
E. J. Blackburn.....Fredericktown
Clemmens Bininger.....Lancaster
Charles Blume*†.....Marietta
H. J. Bohlender.....Tadmore
Orris Booth.....Bryan
H. Clarridge.....Mt. Sterling
Edgar Clark.....Hue
R. R. Hory.....Frankfort
George W. Cramton*.....Burton
Lee Danser*.....Canton
C. O. Deis.....Canal Dover
L. C. Dye.....Columbus Grove
G. N. Engert*.....Springfield
H. Fiscus.....White House
W. F. Fisher.....Lima
W. B. Gard*.....Republic
C. T. Gosser*.....Coshocton
L. W. Gerb*.....Canal Dover
D. W. Geigert.....Bluffton
C. E. Hawkins*.....Kelloggsville
W. J. Harding.....New Philadelphia
Lawson Higler*.....Washington C.H.
L. S. Hillabold*.....Holgate
G. H. Huffman*.....Clyde
H. W. Kesselmire†.....Salem
Geo. Kehrler.....Bucyrus
J. T. Killen.....Columbus Grove
F. E. Klocksien.....Cleveland
E. H. Lotze*.....Girard
I. S. Loy†.....Bellaire
W. N. Larkworthy.....Chagrin Falls
R. S. Maier*.....Miamisburg
W. C. Martin*.....Vetta
Frank F. Marvin.....Cuyahoga Falls
Chas. McCormick*.....Millersburg
M. R. Mertz.....Williamstown

Ohio—Continued

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 Paul C. Malone.....Newark
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 D. W. Norris*.....Cleveland
 F. D. Ossman*.....Wapakoneta
 E. H. Overton.....Chagrin Falls
 Horace M. Porter.....Silver Creek
 G. W. Parsons*.....Canton
 C. Philips*†.....Jacobsburg
 T. B. Philips*††.....Jacobsburg
 Harry Prinz.....Dayton
 Charles Ray*.....Wellston
 C. L. Rodig*.....Cleveland
 S. W. Roseboom.....Clarksbury
 Chas. Schmidt.....Xenia
 E. M. Sciville.....Pioneer
 T. H. Schink.....Pemberville
 M. K. Seitz*.....Tiffin
 R. P. Sharick.....Ashland
 E. R. Skidmore†.....East Toledo
 Wm. Blair.....St. Clairsville
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 M. R. Shingler*.....Crestline
 W. M. Shouler.....Akron
 E. F. Syman.....Springfield
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 C. F. Wade*.....Bradford Junction
 R. S. Weaver*.....Miamisburg
 F. Wisterman*.....Shane's Crossing
 F. Wittemburg*.....Iroton
 C. E. Wolf*.....Shelby
 W. H. H. Wertz.....Kinsman
 L. A. Young*.....Bryon
 J. L. Zesiger*.....Switzer
 Otto Zoellner*.....Portsmouth
 E. T. Steinman.....Forrest
 E. Bradshaw.....Wooster
 N. R. Fulton.....Newark
 P. Stackler.....Cranberry Prairie
 L. F. Young.....East Liverpool
 V. S. Standt†.....Woodsfield
 G. F. Rose.....Cleveland
 C. T. Kenyon.....Akron
 J. H. Root.....Mecca
 E. Steinle.....Delphos
 N. W. Taylor†.....Delphos
 G. E. Caldwell.....Cortland
 C. Reel.....Lima
 Chas. Metzger.....Toledo
 J. M. Buckle.....Gullipolis
 Otto Hartman.....Wapakoneta
 E. M. Root.....Mecca
 F. B. Gibson†.....Newark
 H. H. McCreary††.....Mt. Vernon
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 L. M. Andrews.....Oberlin
 E. A. Knowlton.....Albany
 V. Bell.....Clyde

L. Ott.....Mansfield
 Geo. L. Deitrick†.....Toledo
 C. B. Hitchcock.....Fostoria
 W. W. Vogel.....Chicago
 H. E. Kidd.....Cordelet
 Chas. Krebs.....Canal Dover
 B. Haverback.....Minister
 C. Tate.....Xenia
 J. E. Parry.....Oak Hill
 G. O. Wood.....Chester Hill
 B. J. Henry.....Kinsman
 L. Bryson.....Demos
 A. J. Ward.....New Lexington
 W. C. Thornbury†.....Bellaire
 D. B. Stall.....Bryan
 J. W. White†.....Bellaire
 H. L. Miller.....Akron
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 J. A. Hollberg†.....Jackson
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 G. D. Weiderkehr†.....Archabold
 J. F. Brockow.....New Athens
 Chas. McKelvery†.....Demos
 D. R. Frink.....Jeromeville
 H. A. Brackenman†.....Cincinnati
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 M. Thompson.....Findlay
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 G. Hahn†.....Canton
 J. H. Ulmer†.....New Winchester
 F. C. Bentel.....Hamilton
 J. E. Longstaff.....Richwood
 F. L. Babcock†.....Findlay
 H. K. Merritt†.....Dayton
 H. J. Woehrl†.....Columbus
 C. J. Evans.....Marion
 E. J. McMannis.....Cleveland
 E. C. Purpus.....New Brenon
 G. W. Dunn, Jr.....Sabina
 A. B. Hines.....Covington
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 Miss Bessie Knight.....Bellefountain
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 J. E. Holaday.....Blanchester
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Oklahoma

D. W. Pennell†.....Norman
 Mt. Sporleder*.....Guthrie
 O. S. Mason.....Stilwater
 W. D. Blackaby.....Blackwell
 C. E. Coon.....Enid
 C. Harmony.....Alva

Oregon

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| M. J. Abbot | Forest Grove |
| Frank Borg | Hepner |
| L. M. Hoyt | Forest Grove |
| E. O. Mattern*† | Portland |
| E. T. Stoddard* | Marsfield |
| T. H. Liebe | The Dalles |
| H. F. W. Beutelspecher† | Portland |
| John C. Beck† | Portland |
| L. J. Coverstone | Wallona |
| W. C. Crawford† | Portland |
| E. Haskell | Gardner |
| O. Borg†* | Hepner |
| O. B. Stapleton† | Granite |
| A. E. Wilson | Sherwood |

Pennsylvania

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|-----------------------|-----------------|
| E. A. Eichenburg | Warren |
| Guy Eulber | Mechanicsburg |
| Glen Magee | Warren |
| John R. Rakestraw | Montownville |
| O. N. Williams | Eaken's Corners |
| William Bahn† | York |
| Leo Brown† | Linesville |
| S. Cameron | New Florence |
| F. B. Crowther*† | Pittsburg |
| Joseph Daniels* | Mencer |
| J. G. Dyer | Torentum |
| R. H. Fulton*† | New Florence |
| J. H. Green*† | Bellewood |
| E. F. Green*† | Bellewood |
| H. A. Herschberger* | Plymouth |
| J. Ingram* | Tarentum |
| Norman Klieves† | Washington |
| Miss Adelaide Landos* | Titusville |
| J. A. Large* | Parkersburg |
| G. C. Lloyd* | Sharpsburg |
| C. A. Loughman* | Washington |
| W. W. Mather* | Washington |
| A. C. Noble* | Alleghany |
| H. Bahr | Pittsburg |
| O. G. Reams*† | Pittsburg |
| L. Rhode* | Wilkesbarre |
| I. Runyeon* | Reading |
| S. C. Truby*† | Brush Valley |
| O. K. Taylor† | Brownsville |
| J. F. Welty | Greensburg |
| F. A. Wright† | Scranton |
| Wm. A. Zweier*† | Lebanon |
| H. H. Hoovis | Butler |
| H. A. Sawert | Pittsburg |
| J. J. Lobinger | Pittsburg |
| L. F. Grant | Troy |
| J. J. Buser† | Titusville |
| H. T. Love | Brookville |
| F. J. Rigg | Russellville |
| W. P. Post | Towanda |
| F. R. Jaco | Union Town |
| J. Benninghoff | Greenville |
| F. W. Babcock† | Nelson |
| J. B. Greenlund† | Warren |
| G. A. Long† | Brookville |
| M. A. Katz† | Segel |

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| C. E. Klingensmith† | Leechburg |
| J. D. De Wolfe | Allegheny |
| S. M. Rupley | Mercersburg |
| M. B. Gary† | New Bethlehem |
| Miss Anna Falconer† | Chandles Valley |
| C. S. Young | New Castle |

Rhode Island

| | |
|--------------|--------|
| A. J. Maker* | Warren |
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North Dakota

| | |
|-----------------|-------------|
| J. W. Webster | Gilby |
| A. A. Snow | Cando |
| C. F. McKeever | York |
| Stanley Grow† | Cavalier |
| J. F. Browne† | Enderline |
| F. L. Thorpe† | Deadwood |
| H. F. Hines† | Grand Forks |
| A. H. Homme | Hope |
| D. C. S. Binner | Sanborn |
| P. N. Waters† | Maddock |

South Dakota

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|-----------------|--------------|
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| J. E. Reeves | Groton |
| R. L. Stitzel† | Coleman |
| C. A. Sawyer† | Huron |
| W. J. Cole† | Woonsocket |
| Geo. Cook, Jr. | Madison |

South Carolina

| | |
|---------------------|------------|
| E. A. Buttman | Sumter |
| J. A. Clifton, Jr.* | Greenville |
| Julian Weinberg | Manning |

Tennessee

| | |
|-------------------|---------------|
| Fred. Hauer | Chattanooga |
| J. E. Dent | Sharon |
| John C. Burke† | New Tazewell |
| C. H. Countee* | Memphis |
| Geo. P. Goosmann | Somerville |
| R. S. Greer | Camden |
| Harry Haverkamp | Chattanooga |
| W. L. Hodges* | Dayton |
| J. G. Lawrence* | Greenville |
| A. T. Rohner* | Clarksville |
| J. S. Wilson | Mountain City |
| J. M. Wilder* | Huntingdon |
| W. R. Crawford† | McKenzie |
| F. Nimmeriall | Nashville |
| P. A. George† | Centerville |
| W. F. Gates | Chattanooga |
| D. H. Jones | Wenton |
| F. T. Peckenpaugh | Chattanooga |
| A. E. McCullough | Maryville |
| M. Kern | Knoxville |

Texas

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|-----------------|-------------|
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| F. Allen* | Kosse |
| F. W. Emerson | McKinney |
| Fred. H. Fry | Fort Worth |
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|-------------------|-------------|
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| R. M. Haden | Tyler |
| J. A. Harris† | Navasota |
| J. H. Hemple | Bartlett |
| G. W. Hood | Gilmer |
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| W. H. Marshall* | Gilmer |
| R. D. Macdonald*† | Denison |
| F. Meisch | Dallas |
| R. C. Miller*† | Nevasota |
| G. A. Pfaeffe | Fort Worth |
| L. B. Platt | Meridian |
| J. O. Rhome*† | Rhome |
| C. G. Stroop† | San Saba |
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| James C. Walker* | Kerens |
| Z. J. Wood* | Nacogdoches |
| H. Krezdorn | Seguin |
| F. L. Glascock | Vernon |
| W. F. Summers† | Rusk |
| Miss S. L. Levy | San Antonio |
| J. D. Brown | Goldthwaite |
| M. N. Harrison | Pivot Point |
| E. N. Mann | Mansfield |
| W. W. Mitchell | Kaufman |
| W. S. O'Brien | Cocoa |
| B. Taylor | Houston |
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| J. B. Vannoy† | Canadian |
| Geo. Hemple† | Bartlett |
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| L. W. Krezdom† | Segroin |
| T. M. Haltom† | Peoria |
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| Adolph Bahn† | Austin |
| W. A. Methvin | Temple |
| Arthur McAteer | Quinah |
| Wade Hampton† | Forreston |
| A. R. Bailey† | Colorado |
| J. F. Gardner | Mitchell |
| P. G. Secrest† | Georgetown |
| H. P. Henegar | Gordon |
| C. H. Smoot | Denton |
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Utah

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|------------------|---------------|
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| J. W. Peters | Brighton City |

Vermont

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| F. F. McLaughlin | Bennington |
| George R. Bosworth† | Berlin |
| Henry S. George* | Monsoiler |
| Chas. Goozey* | Johnson |
| G. C. Lang* | Morrisville |
| A. G. Mansur† | Island Park |

| | |
|------------------|-----------------|
| Geo. W. Marvin* | St. Albans |
| E. R. Searles† | Enosburg Falls |
| C. R. E. Best*† | Enosburg Falls |
| Mrs. A. W. Best* | Enosburg Falls |
| J. Dooley | Healing Springs |
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| W. J. Spicer | Burlington |
| I. Frankfort | Norfolk |

Virginia

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|-----------------|----------------|
| T. Biller | Orkney Springs |
| G. W. Delaweer | Quicksburg |
| C. F. Greenwood | Norfolk |
| R. P. Jahnke | Richmond |
| C. E. Wiltse | Farmville |

West Virginia

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| G. Luzader* | Auburn |
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| G. Woodcock | New Martinsville |
| G. W. Stalmaker | Glenvill |
| John L. Woodcock | New Martinsville |
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Wisconsin

| | |
|-------------------|-----------------|
| E. S. Austin | Delavan |
| Wm. Dukelow | Neosha |
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Persia

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Venezuela

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West Indies

Duncan M. Doe Hamilton Parish
 Bermuda
 R. P. Outerbridge* Hamilton Parish
 Bermuda
 T. M. Doe Hamilton Parish
 Bermuda

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